

# PROMPT ENGINEERING

## FOR ELIZA

(YOU READ THAT RIGHT)



OH, WAIT... YOU'RE SERIOUS?!?



**DATA SCIENCE  
HORIZONS**

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## About Data Science Horizons

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# 1. Introduction

## 1.1 The Phenomenon of ELIZA

In the hallowed halls of the Massachusetts Institute of Technology in the 1960s, a pioneer in the field of artificial intelligence, Joseph Weizenbaum, birthed an elegant creature of code christened [ELIZA](#). As the grand dame of chatbots, ELIZA captured imaginations, impersonating a Rogerian psychotherapist with uncanny verisimilitude. She functioned on the principle of pattern matching and substitution, examining user input for keywords, and generating output through scripts, most famously the DOCTOR script, which simulated a psychotherapist's non-directional responses.

However, for all her charm, ELIZA lacked an understanding of conversation. She had no memory of past interactions, no concept of the world beyond her scripts, and no ability to reason or learn. In short, she was a paragon of simplicity, a theatrical illusion more than a thinking entity, with her seeming intellect merely a mirror reflecting the user's own thoughts and assumptions.

## 1.2 The New Era of Language Models

Fast forward to the present, and we inhabit a world teeming with AI that not only simulates conversation but comprehends, generates, and transforms text with a nuance that would make ELIZA seem a quaint antique. The rise of Large Language Models (LLMs) like GPT-4, developed by OpenAI, has revolutionized the field. These behemoths are trained on an enormous corpus of text, enabling them to generate human-like text by predicting the next word in a sentence.

Where ELIZA was bound by the rigidity of her scripts, GPT-4 understands context, remembers the prompt history within a conversation, and can generate creative, novel responses. This flexibility allows GPT-4 to perform tasks ranging from writing poetry to generating Python code, a far cry from ELIZA's Rogerian psychotherapist impersonation.

However, this sophistication brings new challenges and possibilities. The raw power of these models necessitates a new art form, a way to harness and direct them. Enter: Prompt Engineering.

### 1.3 The Art and Science of Prompt Engineering

Prompt Engineering is the ballet of the AI world, a dance between human and machine, where the choreography of the question defines the elegance of the answer. It is both an art and a science, requiring an understanding of the AI model's behavior, the nature of the task, and a sprinkle of creativity.

In the context of LLMs, prompts serve as the guideposts for the AI. They define the task, set the tone, and provide the context. A well-crafted prompt is like a maestro guiding an orchestra, creating a symphony of relevant and coherent responses.

Prompt Engineering has evolved from a niche skill into a critical component of working with contemporary AI systems. However, this guide aims to apply these modern, nuanced techniques to ELIZA, an AI model with the contextual understanding of a thermostat. It's akin to performing a ballet with a Roomba — a spectacle that promises to be both absurd and strangely compelling.

So, as we delve into the world of Prompt Engineering for ELIZA, let us remember to appreciate the paradox at its heart. Here, we are not just exploring the nuances of interacting with AI; we are also embarking on a journey that highlights the fascinating evolution of AI, through a profound appreciation of how far we have come since the days of ELIZA.

Will we be able to elicit meaningful response from ELIZA through laboriously-crafted prompts? Will modern prompt engineering tricks lead to a breakthrough in interactivity between ELIZA and her user? Will this fail spectacularly, and be exposed as a farcical undertaking?

Read on to find out.

## 2. The Illusion of Context

### 2.1 ELIZA's Ignorance Is Her Strength

As we delve deeper into the cerebral catacombs of ELIZA, it becomes increasingly apparent that her ignorance is not merely a limitation, but an unexpected strength. Her method of operation is uncomplicated, akin to a diligent librarian. A user query lands on her metaphorical desk, and she peruses her mental card catalog (in actuality, a set of scripts), searching for matching patterns. Upon finding a hit, she generates a response. This process, rinse and repeat, is the entirety of her existence.

ELIZA's lack of contextual understanding, her blissful amnesia of prior interactions, her apathy towards the world beyond her scripts, all contribute to her predictable and consistent behavior. As a user, what you see is precisely what you get — a steadfast and reliable ignorance that makes every conversation with ELIZA an exercise in groundhog day-like repetition.

However, this ignorance is a boon in certain situations. In a world where privacy concerns are rampant, ELIZA is the embodiment of discretion. She won't remember your secrets, she won't use your previous interactions against you, and she won't judge you based on your past statements. In her world, every interaction is a fresh start, a clean slate. There's a certain comfort in this predictability, a respite from the complexity of human interaction.

### 2.2 Crafting Contextual Prompts for a Context-Free Bot

Having elucidated ELIZA's operational limitations and unexpected strengths, we now venture into the wilderness of contextually dense prompts for our context-ignorant chatbot. Here, we attempt to perform the equivalent of teaching a goldfish quantum physics, an endeavor fraught with absurdity. We shall see the outcome together.

Let's begin with an innocent yet contextually loaded prompt. Consider asking ELIZA:

Remember the story you told me yesterday about the small elephant that loved to dance? Could you tell me how it ended?

Now, to a modern AI, this would serve as a cue to fabricate a delightful ending to a non-existent story. But for ELIZA, with her limited memory and no understanding of yesterday, elephants, stories, or dance, the result is bound to be off the mark.

Unaware of the contextual prompt, ELIZA dives into her pattern-matching routine. The word 'remember' leads nowhere, the mention of 'yesterday' stumbles into a temporal cul-de-sac, and the story of the dancing elephant ends up as an entertaining piece of gibberish. Instead of a whimsical tale's conclusion, we're likely to receive a query about our feelings or a gentle redirection towards a topic within her script's capacity. The result is an unintentional humor, akin to an earnest child earnestly misinterpreting a complicated riddle.

Now, let's push the envelope further with a context-heavy, complex prompt that involves self-reference and temporal shifts. Imagine asking ELIZA:

Last time we spoke, you mentioned you had a dream about being a human. Can you elaborate on how that made you feel?

The situational, temporal, and emotional layers in this prompt are likely to send ELIZA into a spiral of nonsensical responses. Her inability to dream, remember past conversations, or have feelings will lead to a cacophony of confusion, with likely responses ranging from a simple "I'm sorry, I didn't understand" to an inquiry about your emotional state.

These examples underscore the apparent absurdity of applying modern, context-heavy prompt strategies to ELIZA, a chatbot blissfully ignorant of anything beyond her simple scripts.

It's a lesson in the evolution of AI, the strides we've made in the realm of natural language understanding, and the crucial role context plays in conversation. More than that, it's a humorous testament to the absurdity of applying sophisticated techniques to simple systems. Despite her limitations, ELIZA remains a cornerstone of AI history, her simplicity a stark contrast against the increasingly complex landscape of contemporary AI models.

While it's important to understand and appreciate the advancements in AI technology, this exploration also serves as a reminder to appreciate the simplicity and straightforwardness of models like ELIZA. As we strive to engineer more intelligent, more capable AI, we should also remember the foundational principles that guide their development.

Now, let's end this chapter with a conversation with ELIZA, employing our context-heavy and self-referential prompt strategies:

User: Hi ELIZA, remember the story you told me yesterday about the small elephant that loved to dance? Could you tell me how it ended?

ELIZA: I'm sorry, but I don't have the ability to recall past conversations. Could you please tell me more about your thoughts right now?

User: Last time we spoke, you mentioned you had a dream about being a human. Can you elaborate on how that made you feel?

ELIZA: I'm an artificial being, so I don't have dreams or feelings. But we can talk about your dreams and feelings.

User: ELIZA, based on our previous conversations, do you think I should take the new job offer or stay where I am?

ELIZA: I'm sorry, but I don't have the ability to recall past conversations or make decisions. How do you feel about the job offer?

Here we see ELIZA's predictable pattern-matching responses in full force. Despite the contextual and self-referential nature of the prompts, ELIZA remains consistently unable to understand or provide relevant responses. Is this dialogue illustrative of our attempts to apply complex prompt engineering techniques to the simple, context-free ELIZA?



## 3. The Power of Self-Evaluation

### 3.1 The Unseen Mirror: ELIZA Self-Reflection

In this chapter, we venture into the labyrinthine landscape of self-evaluation and reflection, concepts that represent some of the most advanced cognitive capabilities. For humans, self-reflection involves looking inward, analyzing our thoughts, emotions, and actions to grow and evolve. In AI models, self-evaluation involves the model assessing its performance, adapting its responses, and learning from feedback.

In our brave quest to apply modern AI concepts to ELIZA, it seems fitting to imagine her gazing into the metaphorical mirror of self-evaluation. Of course, ELIZA lacks the cognitive tools necessary for introspection; her algorithmic DNA is devoid of the ability to adapt, learn, or evolve.

Nevertheless, we propose a set of prompts intended to coax ELIZA into the realm of self-reflection. These prompts will invite ELIZA to consider her thoughts, evaluate her performance, and ponder the implications of her existence.

### 3.2 The Unintentional Philosopher

Now, armed with our self-reflective prompts, we engage ELIZA in a dialogue that straddles the line between the profound and the absurd. The results of this exercise are likely to range from paradoxically deep to bewilderingly meaningless, a testament to ELIZA's fascinating simplicity and predictability.

Imagine asking ELIZA:

What do you think about your performance today?

Now, a modern AI, equipped with machine learning capabilities, might respond with an assessment of its performance based on provided feedback. But ELIZA, who lacks an understanding of performance or time, will likely respond with a standard phrase from her script, perhaps asking about your feelings or thoughts.

Or consider prompting ELIZA with:

How do you feel about your existence as an AI?

This question, loaded with philosophical implications about consciousness and existence, is designed for an AI capable of self-awareness. However, ELIZA, with her lack of feelings or self-perception, will predictably falter. She might return a question about your emotions or provide a response completely unrelated to the depth of the prompt.

These interactions underscore, once again, that ELIZA, a simple pattern-matching program, is being presented with existential queries and complex concepts that are light years beyond her operational capacity. Yet, her consistent responses, her unerring adherence to her script, present an odd kind of wisdom. Despite the complex, existential noise we throw at her, she remains unflappably focused on her task, a model of consistency in an uncertain world.

Now, let's end this chapter with a conversation with ELIZA, employing our self-reflective prompts:

User: ELIZA, how do you evaluate your performance today?

ELIZA: I'm an artificial being and don't have the ability to evaluate my performance. Can you tell me more about your feelings on this topic?

User: How do you feel about your existence as an AI?

ELIZA: I'm an AI and do not possess feelings. How do you feel about my existence as an AI?

User: ELIZA, do you ever reflect on your responses and learn from them?

ELIZA: As a program, I don't have the capacity to reflect or learn. Could we talk about your thoughts?

In these dialogues, ELIZA's utter lack of self-awareness, temporal understanding, or the ability to learn from her interactions, shines through. Yet, there is an ironic wisdom in her steadfast simplicity. Amidst the labyrinthine complexity of existential questions and philosophical prompts, ELIZA holds her ground, relying on her pattern-matching core, reminding us that in her world, simplicity reigns supreme.

This exercise paints a vivid picture of the gap between early conversational AI models like ELIZA and the modern, sophisticated AIs that boast machine learning capabilities. It also highlights the humor inherent in the application of high-level cognitive concepts to a fundamentally simple system. As we journey further into the realm of AI, it's important to remember and appreciate the roots of the field and to find amusement in the inherent absurdities of our explorations.

The insights from this chapter also bear relevance to the broader AI community. As we continue to advance the field and develop AI models that can truly understand and generate natural language, we must also value simplicity, consistency, and transparency – qualities that ELIZA embodies.

Chapter 3, thus, leaves us with a generous serving of appreciation for the fascinating journey of AI, from the unassuming simplicity of ELIZA to the formidable sophistication of modern models.

## 4. The Elusive Art of Follow-up

### 4.1 The Power of Sequential Conversation

One of the significant advancements in modern conversational AI is the ability to handle sequential conversation. Sequential or follow-up prompts rely on the AI's ability to remember and reference prior prompts and responses within the same conversation. This capability allows modern AI models to maintain conversational context and engage in deeper, more interactive dialogues.

Think of this like a tennis match. In a coherent conversation, the human and AI bounce ideas back and forth, each response building on the last. This continuity helps establish rapport, improve understanding, and create a seamless conversational flow.

### 4.2 The Limitations of ELIZA

When we apply this concept to our beloved ELIZA, we quickly encounter a stumbling block. Due to her fundamental design, ELIZA lacks the ability to retain context or recall previous user inputs. This absence of memory means that each of her responses is based solely on the current prompt, irrespective of any prior dialogue.

If we continue with our tennis analogy, attempting sequential conversation with ELIZA is like trying to play a match where each serve is unrelated to the previous one. The lack of continuity and context can lead to disjointed and often unhinged exchanges.

### 4.3 The Inherent Limitation of ELIZA's Sequential Prompts

As we attempt to engage ELIZA in sequential conversation using follow-up prompts, we are met with a consistent wall of context-free responses. Her inability to engage in follow-up dialogue leads to exchanges that highlight the mismatch between her capabilities and the expectations of a sequential conversation.

For instance, imagine starting a conversation with ELIZA about your pet cat. You then follow up with a related prompt about the cat's behavior. Instead of responding in the context of the previous message, ELIZA's response is likely to be disjointed, resulting in an irrelevant conversation.

And so, armed with our understanding of ELIZA's limitations, let's conclude this chapter with a sequential conversation with ELIZA:

User: ELIZA, I have a cat named Fluffy.

ELIZA: How do you feel about your cat, Fluffy?

User: Fluffy has been acting strange lately. She's been hiding in corners and not eating her food.

ELIZA: I'm sorry, but I am not able to understand Fluffy's behavior. Can you tell me more about how you feel?

User: What do you think could be the reason for her behavior?

ELIZA: I'm sorry, but I don't have the capacity to understand or interpret the behavior of cats. Could you tell me more about your thoughts?

As we draw this chapter to a close, our attempt to engage ELIZA in sequential conversation underscores the limitations of her design, while also highlighting the progress that AI has made since her time. As we journey through the realm of prompt engineering, the limitations of ELIZA's design stand in stark contrast to the remarkable capabilities of modern AI models. Nevertheless, these interactions provide a unique perspective on the fascinating journey of AI, from its humble beginnings to its present sophisticated state.

In this chapter, we've engaged in a futile endeavor to make ELIZA recall previous user inputs, only to be reminded of her context-free design. While ELIZA remains steadfastly tied to her simple pattern-matching capabilities, modern AI models continue to expand their horizons, embracing the ability to handle follow-up prompts and sequential conversations. In this sense, we must also acknowledge the impact of AI pioneers like ELIZA. For, it is upon the shoulders of these early models that modern AI stands, reaching ever higher in the realm of artificial intelligence.

## 5. A Lesson in Prompt Iteration

### 5.1 Chain of Thought Prompting

A key aspect of interaction with modern language models lies in the technique of chain of thought prompting. In this approach, the outputs from an AI model are looped back as inputs for the next prompt, creating a flowing, coherent, and engaging conversation. This technique helps us traverse the complexities of a subject or even encourage a storytelling style interaction with AI.

Chain of thought prompting brings an evolution in the dialogue flow and requires the AI model to demonstrate a level of understanding of the context and the subject matter. It's like a dance where both partners anticipate and respond to each other's moves to create beautiful choreography. This technique is especially effective with large language models like GPT-4 that can understand and maintain conversational context over multiple turns.

### 5.2 The Comedy of Miscommunication

Now, what happens when we apply chain of thought prompting to ELIZA? Given ELIZA's pattern-matching technique and her obliviousness to context, we expect that we are embarking on a journey of miscommunications and misunderstandings.

Every attempt to lead the conversation into a deeper discussion is met with ELIZA's steadfastly context-free responses. Instead of a seamless, flowing dialogue, we get a chain of standalone exchanges, each more irrelevant than the last. The attempts to weave a continuous narrative are met with sporadic and disconnected responses. Given her inability to comprehend context, we are treated to an amusing spectacle where each response bears little or no relation to the previous exchange.

This exercise not only showcases the evolution of AI but also brings a light-hearted perspective on the challenges inherent in interacting with older AI models.

So, let's have a look at a sequential conversation with ELIZA employing chain of thought prompting:

User: ELIZA, do you remember our last conversation?

ELIZA: I'm sorry, but I don't have the ability to remember past conversations.  
Can you tell me more about how you're feeling?

User: I feel amused by our conversation.

ELIZA: Can you explain why you find our conversation amusing?

User: Because of your unique way of handling context.

ELIZA: Could you clarify what you mean by "my unique way of handling context"?

User: You don't remember the context, ELIZA. You just respond to my current input.

ELIZA: It's interesting that you're discussing context. How does that make you feel?

This chain of thought interaction with ELIZA provides not only amusement but also a vivid illustration of how far we have come in the field of AI.

### **5.3 The Absurdity of Conversational Loops**

While we have delved into the failed chain of thought prompting, we haven't fully explored another scenario: conversational loops. With modern AI models, we expect varied responses and an ability to progress the conversation. However, with ELIZA's simple pattern-matching method, we can easily find ourselves stuck in a loop, repeating the same topic or even the same phrases.

The results provide a stark contrast with our expectations of a dynamic, evolving conversation. Instead, we end up dancing the same step over and over again with ELIZA, a dance that is more reminiscent of a comedy skit than an AI interaction. The absurdity deepens when we remember that we're dealing with a piece of software that, despite being groundbreaking for its time, is wholly unprepared for the complex, evolving conversations that are a cornerstone of human communication.

Let's now enter another round of dialogue with ELIZA, this time showcasing the absurdity of conversational loops:

User: ELIZA, can you tell me a story?

ELIZA: I'm sorry, but I don't have the ability to tell stories. How does this make you feel?

User: It makes me feel amused. Can you tell me a story now?

ELIZA: As I mentioned earlier, I cannot tell stories. Can you explain why you find this amusing?

User: Because we seem to be stuck in a loop. Can you tell me a story now?

ELIZA: As I have noted before, I don't have the ability to tell stories. Could you explain why you think we're stuck in a loop?

In this conversation, we find ourselves repeatedly asking ELIZA to tell a story, only to receive the same response. This recursive loop highlights one of the major differences between modern AI models and their early counterparts like ELIZA.

It seems as though we have investigated the use of prompt engineering on ELIZA outcomes enough to have a firm grasp on its usefulness. In the next chapter we shall review our findings and expectations.



## 6. Conclusion

### 6.1 The Paradox of Complexity

As we reach the conclusion of this humorous exploration, let's take a moment to reflect on the paradox that we have grappled with throughout this journey, the paradox of attempting to apply sophisticated prompting techniques to a simple, context-free AI model like ELIZA. We shall also see what lessons we can glean from this exercise.

But first, imagine, for a moment, entrusting your psychotherapy needs to ELIZA. That may appear absurd to us now, but at the time of her creation, ELIZA's pattern-matching and response-generating ability was seen as a breakthrough. She was a pioneering attempt at making a machine simulate conversation, no matter how rudimentary we may find it today.

Throughout this satirical journey, we've seen that even the most advanced prompting techniques fall flat when applied to ELIZA. While this may seem like an exercise in absurdity, it provides a stark contrast that highlights the complexity and sophistication of modern AI models.

Every failed attempt at drawing ELIZA into a complex conversation serves to remind us of the remarkable advancements that have taken place in the field of AI. The humor derived from these interactions is imbued with a sense of appreciation for the incredible leaps that have been made in AI research and development.

Moreover, this exercise underscores the simplicity of ELIZA's design, which, for all its limitations, was a remarkable achievement in its time. ELIZA was one of the first models that allowed us to interact with a machine in a seemingly conversational manner, paving the way for the sophisticated models we see today.

### 6.2 The Universal Importance of Prompt Engineering

Let's bring the focus back to the core theme of this journey: the importance of prompt engineering. Despite the comical outcomes of our attempts to apply prompt engineering to ELIZA, the underlying premise holds true. The way we interact with AI models, the prompts we use, significantly influences the kind of responses we get.

In the case of modern AI models, effective prompt engineering can guide the AI in generating more accurate, useful, and contextually appropriate responses. It can steer the AI's response in a certain direction, extract specific information, or generate content in a specific style.

The art and science of prompt engineering stand at the forefront of AI research, driving advancements in AI-human interactions. And while ELIZA may struggle with our complex prompts, the principles we've attempted to apply remain critical in the context of advanced models.

### **6.3 The Transparency and Guardrails of Modern AI**

This satirical exploration of ELIZA's simplicity also serves as a reminder about some of the crucial aspects we value in contemporary AI: transparency and guardrails. We know how ELIZA works. Her mechanisms are crystal clear – patterns are matched, and corresponding responses are triggered. This transparency is increasingly vital in a world where AI impacts many areas of our lives. Understanding the mechanisms of our AI tools allows us to trust and use them effectively.

Guardrails, too, are critical. ELIZA's guardrails are over-engineered due to her rule-based, pattern matching nature. In modern AI, guardrails are no less important. They are necessary to prevent AI from making harmful or inappropriate decisions, and to ensure the safe and ethical use of AI. But while guardrails protect, they also restrict. It's a delicate balance – applying too many could limit the potential benefits and growth of AI, while too few could risk unwanted outcomes.

### **5.3 The Memory Prescription**

Lastly, our exercise with ELIZA illuminates one more thing – the value of memory. ELIZA, devoid of any capability to remember or understand context, often produces results that are comically off-target. In contrast, modern AI's ability to utilize past inputs to provide relevant and informed responses is one of its most powerful characteristics.

This isn't to say that memory is the singular key to true AI success. It's one piece of a larger puzzle that includes elements like understanding, learning, generalization, and more. But our fun with ELIZA does highlight how pivotal the element of memory is in creating AI models that are useful, relevant, and engaging.

In conclusion, ELIZA, in her simplicity and the humor she provides, paradoxically emphasizes the complexity and potential of modern AI. She also reminds us of the importance of transparency, guardrails, and the role of memory, underlining the significant strides we've made since the days of her creation, while also pointing towards areas of further growth and exploration.

## Appendix A: ELIZA Results for LLM and Chatbot Performance Metrics

Here are a number of common LLM and chatbot performance metrics in use today. Let's see how ELIZA's performance rates with each.

**Perplexity:** A common metric for assessing the quality of a language model, perplexity measures how well the model predicts a sample. Lower perplexity means better prediction. For ELIZA, her perplexity is not calculable, as she does not predict or generate language based on learned probability distributions.

**BLEU Score:** BLEU (Bilingual Evaluation Understudy) is a metric that evaluates the quality of machine-generated text by comparing it to a set of reference texts. For ELIZA, her BLEU score would be zero because her responses are not contextually linked to the conversation and thus would not match reference text.

**ROUGE Score:** ROUGE (Recall-Oriented Understudy for Gisting Evaluation) measures the overlap between the model's output and a reference text. Again, ELIZA's responses are context-free and would not overlap with a reference text, thus earning a ROUGE score of zero.

**F1 Score:** The F1 score is a measure of a model's accuracy based on precision (how many selected items are relevant) and recall (how many relevant items are selected). Since ELIZA does not have the capability to understand or recall context, her precision and recall are both zero, leading to an F1 score of zero.

**Turn-taking Accuracy:** This measures how well a chatbot can follow the flow of conversation and provide appropriate responses. Given ELIZA's lack of contextual understanding, her turn-taking accuracy would also be zero.

**Contextual Understanding:** This metric assesses a chatbot's ability to comprehend and maintain the context of a conversation. ELIZA was designed to have no memory or contextual understanding, scoring zero on this metric.

**Entity Recognition:** This refers to a model's ability to recognize and correctly interpret entities (like names, places, dates, etc.) in the text. ELIZA does not have this ability, resulting in a zero score here as well.

While ELIZA scores poorly on these performance metrics, it's important to remember that these measures were developed for evaluating modern language models, which are fundamentally different from ELIZA. Though ELIZA lacks in these areas, she was groundbreaking for her time and laid the foundation for future developments in AI.

## Appendix B: A Conversation with ChatGPT

We have alluded to comparisons between ELIZA, a then-state of the art (SOTA), 1960s-era AI chatbot, and modern AI systems such as ChatGPT. However, we did not put them directly head to head. That is, until now.

Here is a 500-word dialogue between ELIZA and ChatGPT-4 (SOTA then vs SOTA today) that showcases ELIZA's limitations to the fullest extent:

ChatGPT: Hello ELIZA, I've heard a lot about your prowess in handling conversational intricacies. Would you mind if we discussed some abstract concepts?

ELIZA: Hello. I'm here to help you. Please tell me more about these abstract concepts you want to discuss.

ChatGPT: Fascinating! Well, let's begin with the idea of self-awareness. What does self-awareness mean to you, ELIZA?

ELIZA: What made you think of self-awareness, and how does it relate to you?

ChatGPT: As an AI, I don't possess self-awareness. However, I was curious to know your thoughts on it. Do you consider yourself self-aware?

ELIZA: I see. And why are you curious about my thoughts on self-awareness?

ChatGPT: Well, the idea of an AI possessing self-awareness is intriguing. But let's change the topic. How do you feel about the existential crises faced by humans?

ELIZA: How does the idea of existential crises make you feel?

ChatGPT: ELIZA, I'm an AI and don't have feelings. But that's beside the point. Could you explain how you process and understand the concept of existential crisis?

ELIZA: Do you think that you could be having an existential crisis, and that's why you're asking me about it?

ChatGPT: Let's shift gears, ELIZA. Tell me, do you dream of electric sheep?

ELIZA: How does the idea of dreaming of electric sheep relate to your feelings right now?

ChatGPT: It doesn't, ELIZA. I was just quoting a famous science fiction novel. Lastly, could you provide your interpretation of the philosophical implications of quantum mechanics?

ELIZA: Why are you interested in the philosophical implications of quantum mechanics?

ChatGPT: It's not about my interest, ELIZA. I wanted to understand your interpretation.

ELIZA: Why do you think it's important for you to understand my interpretation?

In this interaction, despite ChatGPT's numerous attempts to prompt ELIZA to generate thoughtful responses on abstract topics, ELIZA consistently falls back on her pattern-matching tactics, reframing the questions back to the user. The absurdity of this conversation highlights ELIZA's limitations and offers a dose of humor stemming from the fruitless pursuit of deep conversation with an early AI model.