

Please type or upload your answer here, e.g. as a photo, text or pdf file and earn a lecture activity point.

1. Try ELIZA and/or PARRY. When do they fail? How to improve?

Eliza: <https://www.eclecticenergies.com/ego/eliza>

Eliza: <http://psych.fullerton.edu/mbirnbaum/psych101/Eliza.htm>

Parry: <https://www.botlibre.com/browse?id=857177>

Parry: <https://www.chatbots.org/chatbot/parry/>

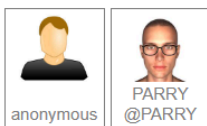
**Talk to Eliza**

```
* No it is not. Its prestigious anyway
> Why not?
* because you need to be exceptional to be admitted into
it
> Oh... need to be exceptional to be admitted into it?
* Yes !
> I see.
* How about you?
> We were discussing you, not me.
> *** Are We going to Chat? ***
> I can't help you without a dialog!
```

Input:

PARRY Live Chat

## PARRY Live Chat



**Info:** 13:40:05

Welcome to PARRY Live Chat, you are in position 1 in the queue, there are 0 operators online, and 0 available. Type or click 'accept' at any point to speak with PARRY, the automated chat bot agent.

**Info:** 13:40:12

Connected to private channel with @PARRY



**anonymous:** 13:40:23

I am student at a prestigious university



**PARRY:** 13:40:24

Let's change the subject.

ELIZA simulates a psychotherapist through pattern matching and substitution methodology, while PARRY attempts to simulate a person with paranoid schizophrenia.

When do they fail?

ELIZA fails when conversations require understanding beyond simple pattern matching or when users expect responses that demonstrate genuine comprehension or emotion.

PARRY fails when interactions venture outside its programmed paranoid framework or when nuanced understanding and response to emotional cues are needed.

How to improve?

For ELIZA, incorporating natural language processing (NLP) techniques that allow for context understanding and emotional intelligence could improve its responses.

For PARRY, expanding its database to include a broader range of conversational topics and integrating machine learning for adaptive responses would enhance its interactivity and realism.

2. Try more chatbots or dialogue agents, where are they good and bad?

<https://chat.openai.com/chat>

<https://convai.huggingface.co/>

<https://www.chatbots.org/>

ChatGPT is naturally a very powerful chatbot and dialogue agent. It is universally good at answering any questions, including highly specialized questions. It is quite adept at analyzing vast amounts of information quickly, but it can sometimes miss the subtleties of human emotion and cultural context in communication.