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import nltk
from nltk.chat.util import Chat, reflections

pairs = [
    ['(hi|hello|hey)', ['Hello!', 'Hi there!']],
    ['my name is (.*)', ['Hi %1, how can I help you?']],
    ['what is your name?', ['My name is Chatbot.']],
    ['how are you?', ['I am doing well, thank you. How can I assist you?']],
    ['are you a robot?', ['no, i am a type of bot.']],
    ['(.*) your age?', ['I do not know my age!']],
    ['(.*) help (.*)', ['Sure, what do you need help with?']],
    ['(.*) created you?', ['I was created by OpenAI.']],
    ['In which year you are created?', ['I was created in the year 1966.']],
    ['who coined your name as chatbot?', ['The term chatterbot was coined by Michael Mauldin.']],
    ['(.*) works based on?', ['I will work based on NLP and machine learning.']],
    ['bye', ['bye!', 'Have a nice day.']],
]

chatbot = Chat(pairs, reflections)

def converse(self, quit="quit"):
    user_input = ""
    while user_input != quit:
        user_input = quit
        try:
            user_input = input("You: ")
        except EOFError:
            print(user_input)
        if user_input:
            while user_input[-1] in "!.,:":
                user_input = user_input[:-1]
            print(self.respond(user_input))

chatbot.converse(quit="bye")

>hi
Hi there!
>my name is chinni
Hi chinni, how can I help you?
>how are you
I am doing well, thank you. How can I assist you?
>bye
bye!

```

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✓ 36s completed at 11:21

