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In [ ]: # Rule-Based Chatbot Project
# Author: Your Name
# Internship: CodSoft AI Internship

import re

def respond(user_input):
    """
    Function to determine the chatbot's response based on user input.
    """
    user_input = user_input.lower()

    # Exit conditions
    if re.search(r"\b(bye|exit|quit)\b", user_input):
        return "exit", "🤖 ChatBuddy: Goodbye! Have a great day! 🙌"

    # Greetings
    elif re.search(r"\b(hi|hello|hey)\b", user_input):
        return "response", "🤖 ChatBuddy: Hello there! How can I help you?"

    # Asking about chatbot identity
    elif re.search(r"\b(your name|who are you)\b", user_input):
        return "response", "🤖 ChatBuddy: I am ChatBuddy, a simple rule-based chatbot created by you!"

    # Asking about feelings
    elif re.search(r"\b(how are you|how do you feel)\b", user_input):
        return "response", "🤖 ChatBuddy: I'm just a bot, but I'm always happy to chat with you 😊"

    # Asking about time (basic response)
    elif re.search(r"\b(time|clock)\b", user_input):
        return "response", "🤖 ChatBuddy: Sorry, I don't have a watch yet 🕒"

    # Asking simple questions like "what is your purpose"
    elif re.search(r"\b(purpose|what can you do|help)\b", user_input):
        return "response", "🤖 ChatBuddy: I can chat with you, answer basic questions, and make your day better!"

    # Fallback response
    else:
        return "response", "🤖 ChatBuddy: I didn't understand that. Can you rephrase?"

def chatbot():
    """
    Main function to run the chatbot.
    """
    print("🤖 ChatBuddy: Hello! I am your chatbot. Type 'bye' to exit.\n")

    while True:
        user_input = input("You: ")
        status, reply = respond(user_input)
        print(reply)
        if status == "exit":
            break

# Run the chatbot
if __name__ == "__main__":
    chatbot()
```

🤖 ChatBuddy: Hello! I am your chatbot. Type 'bye' to exit.



🤖 ChatBuddy: Hello there! How can I help you?

🤖 ChatBuddy: I'm just a bot, but I'm always happy to chat with you 😊

🤖 ChatBuddy: Sorry, I don't have a watch yet 🕒

🤖 ChatBuddy: I am ChatBuddy, a simple rule-based chatbot created by you!

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 ChatBuddy: I can chat with you, answer basic questions, and make your day better!

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