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import re

# Function to define the chatbot's responses
def get_response(user_input):
    # Convert the user input to lowercase to make the matching case-insensitive
    user_input = user_input.lower()

    # Basic greetings
    if re.search(r'\b(hi|hello|hey)\b', user_input):
        return "Hello! How can I assist you today?"

    # Asking about the chatbot's identity
    elif re.search(r'\bwho are you\b', user_input):
        return "I am a simple chatbot created to help with basic queries. How can I assist you?"

    # Asking about the time
    elif re.search(r'\btime\b', user_input):
        from datetime import datetime
        return f"The current time is {datetime.now().strftime('%H:%M:%S')}."

    # Asking for help
    elif re.search(r'\b(help|support)\b', user_input):
        return "I'm here to help! You can ask me questions like 'Who are you?', 'What is the time?', or just say 'Hi!'"

    # Goodbye
    elif re.search(r'\bbye\b', user_input):
        return "Goodbye! Have a nice day!"

    # If the input doesn't match any predefined patterns
    else:
        return "I'm sorry, I didn't understand that. Can you ask something else?"

# Main function to handle the chatbot interaction
def chat():
    print("Chatbot: Hello! Type 'bye' to end the conversation.")

    while True:
        user_input = input("You: ")

        # Exit the chat if the user says 'bye'
        if 'bye' in user_input.lower():
            print("Chatbot: Goodbye! Have a nice day!")
            break

        # Get the chatbot's response and print it
        response = get_response(user_input)
        print("Chatbot:", response)

# Start the chatbot
if __name__ == "__main__":
    chat()

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➡ Chatbot: Hello! Type 'bye' to end the conversation.
You: hi
Chatbot: Hello! How can I assist you today?
You: what is time?
Chatbot: The current time is 09:29:03.
You: palce
Chatbot: I'm sorry, I didn't understand that. Can you ask something else?
You: place
Chatbot: I'm sorry, I didn't understand that. Can you ask something else?
You: address
Chatbot: I'm sorry, I didn't understand that. Can you ask something else?
You: bye
Chatbot: Goodbye! Have a nice day!

```

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