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**PROGRAM:**

class SimpleChatbot:

def \_\_init\_\_(self):

self.responses = {

"hi": "Hello! How can I assist you today?",

"hello": "Hi there! How can I help you?",

"how are you": "I'm just a chatbot, so I'm always ready to assist you!",

"bye": "Goodbye! Have a great day!",

"thank you": "You're welcome!",

"default": "I'm sorry, I didn't understand that. Can you please rephrase?"

}

def get\_response(self, user\_input):

user\_input = user\_input.lower()

if user\_input in self.responses:

return self.responses[user\_input]

else:

return self.responses["default"]

# Example usage:

chatbot = SimpleChatbot()

print("Chatbot: Hi, how can I assist you today?")

while True:

user\_input = input("You: ")

if user\_input.lower() == 'exit':

print("Chatbot: Goodbye!")

break

response = chatbot.get\_response(user\_input)

print("Chatbot:", response)

**OUTPUT:**

Chatbot: Hi, how can I assist you today?

You: how are you

Chatbot: I'm just a chatbot, so I'm always ready to assist you!

You: thank you

Chatbot: You're welcome!

You:

Chatbot: I'm sorry, I didn't understand that. Can you please rephrase?

You: exit

Chatbot: Goodbye!