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import re
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def respond to greeting(user input):
  greetings = ["hello", "hi", "hey", "howdy"]
  if any(greeting in user input.lower() for greeting in greetings):
    return "Hello! How can I assist you today?"
  else:
    return "I'm sorry, I don't understand that greeting."
def respond to weather inquiry(user input):
  weather keywords = ["weather", "forecast", "temperature"]
  if any(keyword in user input.lower() for keyword in weather keywords):
    return "The weather today is sunny with a high of 25°C."
    return "I'm not sure what weather information you're looking for."
def main():
  print("Chatbot: Hello! How can I assist you today? (Type 'exit' to end)")
  while True:
    user input = input("You: ")
    user_input = user_input.lower()
    if user input == "exit":
      print("Chatbot: Goodbye!")
      break
    response = None
    # Rule-based responses
    if re.search(r'\b(hello|hi|hey|howdy)\b', user_input):
      response = respond to greeting(user input)
    elif re.search(r'\b(weather|forecast|temperature)\b', user input):
      response = respond to weather inquiry(user input)
    else:
      response = "I'm sorry, I don't understand that."
    print("Chatbot:", response)
if __name__ == "__main__":
  main()
```