import random

# Define a dictionary of predefined rules and multiple responses

responses = {

"hello": ["Hi there!", "Hello!", "Hey! How can I assist you today?"],

"how are you": ["I'm good, thanks!", "I'm doing well, how about you?"],

"what's your name": ["I'm a chatbot.", "You can call me ChatGPT."],

"bye": ["Goodbye!", "See you later!", "Take care!"],

"tell me a joke": ["Why did the chicken cross the road? To get to the other side!", "Here's one: Knock, knock. Who's there? Boo. Boo who? Don't cry, it's just a joke!"]

}

# Function to get a random response from the list of responses

def get\_response(user\_input):

# Convert user input to lowercase for case-insensitive matching

user\_input = user\_input.lower()

# Iterate through the predefined rules and find a match

for key in responses:

if key in user\_input:

return random.choice(responses[key])

# If no match is found, provide a default response

return "I'm sorry, I don't understand that."

# Main loop to simulate a conversation

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

while True:

user\_input = input("You: ")

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

print("Chatbot: Goodbye!")

break

response = get\_response(user\_input)

print("Chatbot:", response)

Reference:

https://youtu.be/Ea9jgBjQxEs?si=y89vlsr8HR2FKxwF