AI POWERED CHATBOT

CODE:

import random

# Define responses based on user input

responses = {

"hi": ["Hello!", "Hi there!", "Hey!"],

"how are you": ["I'm good, thank you!", "Feeling great, thanks for asking!", "I'm doing well, how about you?"],

"bye": ["Goodbye!", "See you later!", "Bye! Have a great day!"],

"default": ["Sorry, I didn't understand that.", "Could you please rephrase that?", "I'm not sure I follow."],

}

# Function to generate response based on user input

def generate\_response(user\_input):

user\_input = user\_input.lower()

if user\_input in responses:

return random.choice(responses[user\_input])

else:

return random.choice(responses["default"])

# Main function to run the chatbot

def main():

print("Chatbot: Hello! How can I assist you today?")

while True:

user\_input = input("You: ").strip()

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

print("Chatbot: Goodbye!")

break

response = generate\_response(user\_input)

print("Chatbot:", response)

# Run the chatbot

if \_\_name\_\_ == "\_\_main\_\_":

main()

output:

chatbot: Hello! How can i assist you today?

You: