**Name-**Pawar Aadesh

**Roll no-**33

**Problem statement**

Develop an elementary chatbot for any suitable customer interaction application.

**Input**

import random

def get\_response(input\_text):

input\_text = input\_text.lower()

greetings = ["hello", "hi", "hey", "howdy"]

responses = {

"hello": "Hello there! How can I assist you?",

"how are you": "I'm just a chatbot, but I'm here to help!",

"goodbye": "Goodbye! Feel free to ask if you have more questions.",

"default": "I'm not sure how to respond to that."

}

for word in greetings:

if word in input\_text:

return random.choice(responses[word])

for key in responses:

if key in input\_text:

return responses[key]

return responses["default"]

# Example interaction

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

while True:

user\_input = input("You: ")

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

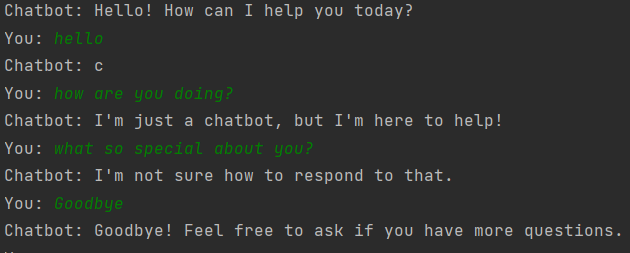
print("Chatbot: Goodbye!")

break

response = get\_response(user\_input)

print("Chatbot:", response)

**Output**

****