import random

# Define the chatbot class

class Chatbot:

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

self.responses = {

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

'bye': 'Goodbye! Have a nice day.',

'what is your name?': 'My name is Shubham.',

'what can you do?': 'I can answer your questions, help you with tasks, and provide information.',

'what is the weather like today?': 'The weather is currently sunny with a high of 75 degrees Fahrenheit.',

'what is the capital of France?': 'The capital of France is Paris.',

'what is the meaning of life?': 'The meaning of life is up to each individual to decide.'

}

def get\_response(self, message):

# Check if the message is in the responses dictionary

if message in self.responses:

return self.responses[message]

# Otherwise, generate a random response

else:

return random.choice([

'I don\'t understand your question.',

'Can you please rephrase your question?',

'I\'m not sure I can help you with that.',

'I\'m still under development, but I\'m learning new things every day.'

])

# Create a chatbot instance

chatbot = Chatbot()

# Start the conversation

while True:

# Get the user's message

message = input('What can I do for you? ')

# Get the chatbot's response

response = chatbot.get\_response(message)

# Print the chatbot's response

print(response)