

Simple bot:

Code:

```
class SimpleChatbot:
```

```
    def __init__(self):
```

```
        self.context = {}
```

```
    def greet(self):
```

```
        return "Hello! I'm your friendly chatbot. How can I assist you today?"
```

```
    def farewell(self):
```

```
        return "Goodbye! Feel free to chat with me again anytime."
```

```
    def respond_to_question(self, question):
```

```
        if "name" in question.lower():
```

```
            return "I'm just a chatbot, so I don't have a name. What can I help you with?"
```

```
        elif "how are you" in question.lower():
```

```
            return "I'm just a computer program, so I don't have feelings, but thanks for asking!"
```

```
        elif "weather" in question.lower():
```

```
            return "I'm sorry, I don't have real-time information. You might want to check a weather website."
```

```
        elif "programming" in question.lower():
```

```
            return "I'm knowledgeable about programming. What specific information are you looking for?"
```

```
        elif "thanks" in question.lower():
```

```
            return "You're welcome! If you have more questions, feel free to ask."
```

```
        else:
```

```
            return "I'm sorry, I didn't understand that. Can you please rephrase or ask another question?"
```

```
    def ask_user_questions(self):
```

```
        questions = ["What's your name?", "How can I assist you today?", "Tell me something about yourself."]
```

```
        for question in questions:
```

```
            user_response = input(question + " ")
```

```
            self.context[question] = user_response
```

```
    def chat(self):
```

```
        print(self.greet())
```

```
self.ask_user_questions()
```

```
while True:
```

```
    user_input = input("You: ")
```

```
    if user_input.lower() == "exit":
```

```
        print(self.farewell())
```

```
        break
```

```
    else:
```

```
        response = self.respond_to_question(user_input)
```

```
        print("Bot:", response)
```

```
if __name__ == "__main__":
```

```
    chatbot = SimpleChatbot()
```

```
    chatbot.chat()
```

## output:

Hello! I'm your friendly chatbot. How can I assist you today?

What's your name? x

How can I assist you today? x

Tell me something about yourself. x

You: what is your name?

Bot: I'm just a chatbot, so I don't have a name. What can I help you with?

You: how is the weather

Bot: I'm sorry, I don't have real-time information. You might want to check a weather website.

You: how are you today

Bot: I'm just a computer program, so I don't have feelings, but thanks for asking!

You: i need help in programming

Bot: I'm knowledgeable about programming. What specific information are you looking for?

You: thanks

Bot: You're welcome! If you have more questions, feel free to ask.

You: exit

Goodbye! Feel free to chat with me again anytime.