

SIMPLE CHATBOX USING NLP

Program :

```
# My simple Python chatbot project :)

# Start the program

# Step 1: Set up possible answers for user messages

answers = {

    "hi": "Hello! How can I help you?",

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

    "what's your name": "I am just a simple Python chatbot!",

    "who are you": "I am a chatbot made by a beginner :)",

    "how are you": "I am doing great! Thanks for asking.",

    "bye": "Goodbye! Take care!"

}


# Step 2: Start talking to the user

print("Bot: Hey! I am a chatbot. Say something! (type 'bye' to end the chat)")


# Keep the chat going until the user types "bye"

while True:

    user_message = input("You: ").lower()

    # If user wants to exit

    if user_message == "bye":

        print("Bot:", answers["bye"])
```

break

Step 3: Try to find a matching answer

replied = False

for question in answers:

if question in user_message:

print("Bot:", answers[question])

replied = True

break

Step 4: If nothing matched, shows a default message

if not replied:

print("Bot: soory, I do not know how to respond to that.")

End of the program

Sample output :

Bot: Hey! I am a chatbot. Say something! (type 'bye' to end the chat)

You: Hi

Bot: Hello! How can I help you?

You: What's your name?

Bot: I am just a simple Python chatbot!

You: How are you?

Bot: I am doing great! Thanks for asking.

You: Tell me a joke

Bot: Soory, I do not know how to respond to that.

You: bye

Bot: Goodbye! Take care!