24/05/2025, 17:06 chatbot - Colab

```
import re
def chatbot():
   print("Chatbot: Hello! I'm a simple chatbot. Type 'bye' to exit.")
    while True:
       user_input = input("You: ").lower()
        if re.search(r'\b(hi|hello|hey)\b', user_input):
           print("Chatbot: Hi there! How can I help you today?")
       elif re.search(r'\b(how are you)\b', user_input):
            print("Chatbot: I'm just a program, but I'm doing great! How about you?")
       elif re.search(r'\b(who are you|what is your name)\b', user_input):
            print("Chatbot: I'm a rule-based chatbot created to assist you.")
       elif re.search(r'\b(help|support)\b', user_input):
            print("Chatbot: I can assist with basic queries. Try saying hello or ask who I am.")
       elif re.search(r'\b(bye|exit|quit)\b', user_input):
            print("Chatbot: Goodbye! Have a great day.")
            break
       elif re.search(r'\b(thank you|thanks)\b', user_input):
            print("Chatbot: You're welcome!")
            print("Chatbot: Sorry, I didn't understand that. Can you rephrase?")
# Run the chatbot
if __name__ == "__main__":
    chatbot()
••• Chatbot: Hello! I'm a simple chatbot. Type 'bye' to exit.
    Chatbot: Hi there! How can I help you today?
    You: what is your name
    Chatbot: I'm a rule-based chatbot created to assist you.
    You: thank you
    Chatbot: You're welcome!
    You:
```