

## tb1x0.py

```
1 import nltk
2 import random
3 from nltk.chat.util import Chat, reflections
4
5 # Define patterns for responses
6 patterns = [
7     (r"hi|hello|hey", ["Hello!", "Hey there!", "Hi!"]),
8     (r"how are you?", ["I am doing well, thank you!", "I am good, thanks for asking!"]),
9     (r"what is your name?", ["You can call me Chatbot.", "I am Chatbot."]),
10    (r"(.*?) your name(.*?)", ["You can call me Chatbot.", "I am Chatbot."]),
11    (
12        r"(.*?) (like|love) (.*) (\?)",
13        ["I am just a chatbot, so I do not have preferences."],
14    ),
15    (r"quit", ["Bye, take care."]),
16 ]
17
18 # Create a chatbot
19 chatbot = Chat(patterns, reflections)
20
21 # Start conversation
22 print("Welcome! Type quit to end the conversation.")
23 while True:
24     user_input = input("You: ")
25     response = chatbot.respond(user_input)
26     print("Bot:", response)
27     if user_input.lower() == "quit":
28         break
29
```