

hi.py

```
1 from nltk.chat.util import Chat, reflections
2 pairs = [
3     [
4         r"my name is (.*)",
5         ["Hello %1, how can I help you today?",]
6     ],
7     [
8         r"hi|hello|hey",
9         ["Hello!", "Hey there!"]
10    ],
11    [
12        r"what is your name?",
13        ["I am a simple chatbot."]
14    ],
15    [
16        r"how are you ?",
17        ["I'm doing well, thank you!", "I'm fine, how about you?"]
18    ],
19    [
20        r"quit",
21        ["Bye bye!", "It was nice talking to you."]
22    ],
23    [
24        r"(.*)", # Catch-all pattern for anything not matched by previous rules
25        ["I'm sorry, I don't understand.", "Can you please rephrase that?"]
26    ]
27]
28def chatbot():
29    print("Hi! I'm a simple chatbot. Type 'quit' to exit.")
30    chat = Chat(pairs, reflections) # 'reflections' is a dictionary for handling first-person
31    to second-person pronouns
32    chat.converse()
33
34if __name__ == "__main__":
35    chatbot()
36
37
38
39
40
```