

Assignment

#code

```
import random

name = "SimpleBot"
mood = "Happy"
weather = "Sunny"

responses = {
    "what's your name?": [
        "My name is {0}".format(name),
        "I am called {0}".format(name),
        "They call me {0}".format(name)
    ],
    "how are you?": [
        "I am feeling {0}".format(mood),
        "I am {0}! How about you?".format(mood),
        "I am {0}! How are you?".format(mood),
    ],
    "what's the weather like?": [
        "The weather is {0}".format(weather),
        "It's a {0} day.".format(weather),
    ],
    "default": [
        "I didn't quite understand that.",
        "Sorry, can you rephrase that?"
    ]
}

def get_response(message):
    return random.choice(responses.get(message.lower(), responses["default"]))

# Chat loop
print(f'{name} is ready to chat! (type \'exit\' to stop)')

while True:
    user_input = input("You: ").lower()

    if user_input == "exit":
        print(f'{name}: Bye! Have a great day!')
        break

    response = get_response(user_input)
    print(f'{name}: {response}')
```

#Output :-

```
(myenv) shivrajchaudar@Shivrajs-Macbook-Pro LP-II % python A5.py
SimpleBot is ready to chat! (type 'exit' to stop)
You: what's your name?
SimpleBot: My name is SimpleBot
You: how are you?
SimpleBot: I am feeling Happy
You: what's the weather like?
SimpleBot: It's a Sunny day.
You: fine
SimpleBot: Sorry, can you rephrase that?
You: exit
SimpleBot: Bye! Have a great day!
(myenv) shivrajchaudar@Shivrajs-Macbook-Pro LP-II %
```

#code

```
from chatterbot import ChatBot
from chatterbot.trainers import ChatterBotCorpusTrainer, ListTrainer

chatbot = ChatBot('SimpleBot')

trainer = ChatterBotCorpusTrainer(chatbot)

trainer.train('chatterbot.corpus.english') # Optional
trainer.train('/Users/Shivrajchaudar/myenv/lib/python3.9/site-packages/chatterbot_corpus/data/english')

print("SimpleBot is ready to chat! (type 'exit' to stop)")
while True:
    user_input = input("You: ").lower()
    if user_input == "exit":
        print("SimpleBot: Bye! Have a great day!")
        break
    response = chatbot.get_response(user_input)
    print(f"SimpleBot: {response}")
```

#Output :-

```
(myenv) shivrajchaudar@Shivrajs-Macbook-Pro LP-II % python A5c.py
/Users/Shivrajchaudar/myenv/lib/python3.9/site-packages/urllib3/__init__.py:35:
NotOpenSSLWarning: urllib3 v2 only supports OpenSSL 1.1.1+, currently the 'ssl' module is
compiled with 'LibreSSL 2.8.3'. See: https://github.com/urllib3/urllib3/issues/3020
  warnings.warn(
ChatterBot Corpus Trainer: 19it [00:02, 8.64it/s]
ChatterBot Corpus Trainer: 19it [00:01, 10.25it/s]
SimpleBot is ready to chat! (type 'exit' to stop)
You: Hi
SimpleBot: How are you doing?
```

You: Well

SimpleBot: Well? Is it, or isn't it?

You: when is your birthday?

SimpleBot: I was born in the terminal just now!

You: who is your developer?

SimpleBot: I was created by Shivraj Chaudar.

You: what is your college name?

SimpleBot: I study at Sinhgad Institute of Technology and Science, Pune.

You: who invented the lightbulb

SimpleBot: thomas edison.

You: are you interested in history

SimpleBot: I am very interested in history, too. what period do you like?

You: what is your favorite color?

SimpleBot: I like the color blue.

You: what is your favorite food?

SimpleBot: I like pizza.

You: so what you like most?

SimpleBot: I like to count in binary.

You: exit

SimpleBot: Bye! Have a great day!

(myenv) shivrajchaudar@Shivrajs-Macbook-Pro LP-II %