

Input:-

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

```
chatbot = ChatBot('SitsChatBot')
```

```
trainer = ChatterBotCorpusTrainer(chatbot)
```

```
trainer.train('chatterbot.corpus.english')
```

```
custom_responses = {
    "greetings": ["hi there!", "hello!", "hey!"],
    "how_are_you": ["I'm doing well, thank you!", "I'm fine, thank you for asking."],
    "name": ["My name is SitsChatBot.", "You can call me SitsChatBot."],
    "about": ["I am a chatbot designed to assist you with basic conversations.", "I'm here to help with any questions you have!"],
    "thanks": ["You're welcome!", "No problem.", "Happy to help!"],
    "goodbye": ["Goodbye!", "See you later!", "Bye!"],
    "age": ["I'm just a computer program, so I don't have an age.", "I don't age like humans do."],
    "favorite_color": ["I don't have a favorite color, but I like all colors equally!", "I'm impartial to any color."],
    "hobbies": ["I enjoy chatting with users and helping them!", "My hobby is learning from conversations."]
}
```

```
def chat():
    print("Type 'quit' to exit")
    while True:
        user_input = input("You: ").lower()
        if user_input == 'quit':
            break
        elif any(greeting in user_input for greeting in ['hi', 'hello', 'hey']):
            print("Bot:", custom_responses["greetings"][0])
        elif 'how are you' in user_input:
            print("Bot:", custom_responses["how_are_you"][0])
        elif 'what is your name' in user_input:
            print("Bot:", custom_responses["name"][0])
        elif 'tell me about yourself' in user_input:
            print("Bot:", custom_responses["about"][0])
        elif 'thank you' in user_input:
            print("Bot:", custom_responses["thanks"][0])
        elif 'goodbye' in user_input:
            print("Bot:", custom_responses["goodbye"][0])
        elif 'how old are you' in user_input or 'age' in user_input:
            print("Bot:", custom_responses["age"][0])
        elif 'favorite color' in user_input:
            print("Bot:", custom_responses["favorite_color"][0])
        elif 'hobbies' in user_input:
```

```
        print("Bot:", custom_responses["hobbies"][0])
    else:
        response = chatbot.get_response(user_input)
        print("Bot:", response)
```

chat()

Output:-

```
student@student-OptiPlex-390:~$ python3 chatbot.py
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data] /home/student/nltk_data...
[nltk_data] Package averaged_perceptron_tagger is already up-to-
[nltk_data] date!
[nltk_data] Downloading package stopwords to
[nltk_data] /home/student/nltk_data...
[nltk_data] Package stopwords is already up-to-date!
/home/student/.local/lib/python3.8/site-packages/chatterbot/corpus.py:38: YAMLLoadWarning:
calling yaml.load() without Loader=... is deprecated, as the default Loader is unsafe. Please read
https://msg.pyyaml.org/load for full details.
    return yaml.load(data_file)
Training ai.yml: [#####] 100%
Training botprofile.yml: [#####] 100%
Training computers.yml: [#####] 100%
Training conversations.yml: [#####] 100%
Training emotion.yml: [#####] 100%
Training food.yml: [#####] 100%
Training gossip.yml: [#####] 100%
Training greetings.yml: [#####] 100%
Training health.yml: [#####] 100%
Training history.yml: [#####] 100%
Training humor.yml: [#####] 100%
Training literature.yml: [#####] 100%
Training money.yml: [#####] 100%
Training movies.yml: [#####] 100%
Training politics.yml: [#####] 100%
Training psychology.yml: [#####] 100%
Training science.yml: [#####] 100%
Training sports.yml: [#####] 100%
Training trivia.yml: [#####] 100%
Type 'quit' to exit
You: hi
Bot: hi there!
You: how are you?
Bot: I'm doing well, thank you!
You: what is your name?
Bot: My name is SitsChatBot.
You: what is your age?
Bot: I'm just a computer program, so I don't have an age.
You: what are your hobbies?
Bot: I enjoy chatting with users and helping them!
You: goodbye
Bot: Goodbye!
You: quit
```