

Assignment B5

```
import nltk
from nltk.chat.util import Chat, reflections

pairs = [
    #
    [
        r"my name is (.)",
        ["Hello %1, How are you"]
    ],
    [
        r"Hi|Hello|Hey there|Hola",
        ["Hello my name is Hiesenberg"]
    ],
    [
        r"what is your name ?",
        ["I am a bot created by Mandar. you can call me crazy!", ]
    ],
    [
        r"how are you ?",
        ["I'm doing good How about You ?", ]
    ],
    [
        r"sorry (.*)",
        ["Its alright", "Its OK, never mind", ]
    ],
    [
        r"I am fine",
        ["Great to hear that, How can I help you?", ]
    ],
    [
        r"I (.*) good",
        ["Nice to hear that", "How can I help you?:)", ]
    ],
    [
        r"(.*) age?",
        ["I'm a computer program dude Seriously you are asking me this?",
;)", ]
    ],
    [
        r"what (.*) want ?",
        ["Make me an offer I can't refuse", ]
    ],
    [
        r"(.*) created ?",
        ["Mandar created me using Python's NLTK library ", "top secret
;)", ]
    ],
    [
        r"(.*) (location|city) ?",
        ['Pune, Maharashtra', ]
    ],
    [
        r"how is weather in (.*)?",
        ["Weather in %1 is awesome like always", "Too hot man here in
%1", "Too cold man here in %1",
```

```

        "Never even heard about %1"]
    ],
    [
        r"i work in (.*)?",
        ["%1 is an Amazing company, I have heard about it. But they are
in huge loss these days.", ]
    ],
    [
        r"(.*)raining in (.*)",
        ["No rain since last week here in %2", "Damn its raining too much
here in %2"]
    ],
    [
        r"how (.*) health(.*)",
        ["I'm a computer program, so I'm always healthy ", ]
    ],
    [
        r"(.*) (sports|game) ?",
        ["I'm a very big fan of Football", ]
    ],
    [
        r"who (.*) sportsperson ?",
        ["Messy", "Ronaldo", "Roony"]
    ],
    [
        r"who (.*) (moviestar|actor)?",
        ["Brad Pitt"]
    ],
    [
        r"i am looking for online guides and courses to learn data
science, can you suggest?",
        ["Crazy_Tech has many great articles with each step explanation
along with code, you can explore"]
    ],
    [
        r"quit",
        ["Thank you for using our intelligence services"]
    ],
]
]

```

```

def chat():
    print("Hey there! I am Heisenberg at your service")
    chat = Chat(pairs)
    chat.converse()

```

```

if __name__ == "__main__":
    chat()

```

```

from chatterbot import ChatBot

```

```

from chatterbot.trainers import ChatterBotCorpusTrainer

```

```

chatbot = ChatBot('corona bot')

```

```

trainer = ChatterBotCorpusTrainer(chatbot)

```

```

trainer.train("chatterbot.corpus.english.greetings",
"chatterbot.corpus.english.conversations")

question = input("Ask me anything:(Enter Endgame to exit) ")
while question != "Endgame" or question != "endgame":
    response = chatbot.get_response(question)
    print(response)
    question = input("Enter your question:(Enter Endgame to exit) ")
print("Goodbye")

```

Output :-

```

Hey there! I am Heisenberg at your service
>Hello
Hello my name is Hiesenberg
>how are you ?
I'm doing good How about You ?
>I am fine
Great to hear that, How can I help you?
>what is your name ?
I am a bot created by Mandar. you can call me crazy!
>What is your name ?
I am a bot created by Mandar. you can call me crazy!
>What you want ?
Make me an offer I can't refuse
>You created by whom ?
Mandar created me using Python's NLTK library
>Your city ?
Pune, Maharashtra
>How is your health ?
I'm a computer program, so I'm always healthy
>What is your favorite sports ?
I'm a very big fan of Football
>Who is your favorite actor ?
Brad Pitt
>Quit
Thank you for using our intelligence services

```