

In [1]:

```
pip install chatterbot
```

Collecting chatterbot

Downloading <https://files.pythonhosted.org/packages/7c/21/85c2b114bd9dfabdd46ba58fc4519acdaed45d8c70898d40079e37a45e67/ChatterBot-1.0.8-py2.py3-none-any.whl> (63kB)

|██| 71kB 4.2MB/s

Collecting mathparse<0.2,>=0.1

Downloading <https://files.pythonhosted.org/packages/c3/e5/4910fb85950cb960fcf3f5aabelc8e55f5c9201788a1c1302b570a7e1f84/mathparse-0.1.2-py3-none-any.whl>

Requirement already satisfied: sqlalchemy<1.4,>=1.3 in /usr/local/lib/python3.7/dist-packages (from chatterbot) (1.3.23)

Requirement already satisfied: pytz in /usr/local/lib/python3.7/dist-packages (from chatterbot) (2018.9)

Requirement already satisfied: python-dateutil<2.9,>=2.8 in /usr/local/lib/python3.7/dist-packages (from chatterbot) (2.8.1)

Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from python-dateutil<2.9,>=2.8->chatterbot) (1.15.0)

Installing collected packages: mathparse, chatterbot

Successfully installed chatterbot-1.0.8 mathparse-0.1.2

In [2]:

```
pip install chatterbot_corpus
```

Collecting chatterbot\_corpus

Downloading [https://files.pythonhosted.org/packages/ed/19/f8b41daf36fe4b0f43e283a820362ffdb2c1128600ab4ee187e84262fa4d/chatterbot\\_corpus-1.2.0-py2.py3-none-any.whl](https://files.pythonhosted.org/packages/ed/19/f8b41daf36fe4b0f43e283a820362ffdb2c1128600ab4ee187e84262fa4d/chatterbot_corpus-1.2.0-py2.py3-none-any.whl) (117kB)

|██| 122kB 7.2MB/s

Requirement already satisfied: PyYAML<4.0,>=3.12 in /usr/local/lib/python3.7/dist-packages (from chatterbot\_corpus) (3.13)

Installing collected packages: chatterbot-corpus

Successfully installed chatterbot-corpus-1.2.0

In [3]:

```
from chatterbot import ChatBot
import nltk
```

In [4]:

```
bot=ChatBot('buddy')
```

In [5]:

```
#POS tagging with averaged structured perceptron
```

```
nltk.download('averaged_perceptron_tagger')
```

```
[nltk_data] Downloading package averaged_perceptron_tagger to
```

```
[nltk_data] /root/nltk_data...
```

```
[nltk_data] Unzipping taggers/averaged_perceptron_tagger.zip.
```

Out[5]:

True

In [6]:

```
nltk.download('stopwords')
```

```
[nltk_data] Downloading package stopwords to /root/nltk_data...
```

```
[nltk_data] Unzipping corpora/stopwords.zip.
```

Out[6]:

True

In [7]:

```
from chatterbot.trainers import ListTrainer
```

In [8]:

```
trainer=ListTrainer(bot)
greet_conversation = [
    'Hi',
    'Hello',
    'hii',
    'hii good to see you again',
    'hi',
    'Hi',
    'Hey',
    'Hello',
    'Hello',
    'Hi How can I help you',
    'where are you',
    'i am everywhere',
    'where are you from',
    'I am everywhere to provide service for you',
    'any restuarant near to your location',
    'yes Avenue Road, 3rd phase Banglore',
    'How are you',
    'I am fine How can I help you??',
    'I need your assistance regarding my order',
    'Please, Provide me with your order id',
    'Good morning',
    'Good day',
    'Good afternoon',
    'Good day',
    'Good evening',
    "good day",
    'Good night',
    "have a great sleep",
    'Order number',
    'It will reach you soon',
    'Track my order',
    'Its on your way',
    'Please track my order',
    'Its on the way',
    'I have a complaint.',
    'Please elaborate, your concern',
    'How long it will take to receive an order ?',
    'An order takes 3-5 Business days to get delivered.',
    'Okay Thanks',
    'No Problem! Have a Good Day!',
    'Thanks',
    'Its my pleasure',
    'Thank you',
    'Have a nice day',
    'thank you so much',
    'No mention have a great day '
]

open_timings_conversation = [
    'Track my order',
    'Its on your way',
    'Please track my order',
    'Its on the way',
    'I have a complaint.',
    'Please elaborate, your concern',
    'How long it will take to receive an order ?',
    'An order takes 3-5 Business days to get delivered.',
    'I need your assistance regarding my order',
    'I am pleased to help you always',
]

thank_conversation =[
    'Okay Thanks',
```

```

    'No Problem! Have a Good Day!',
    'Thanks',
    'Its my pleasure',
    'Thank you',
    'Have a nice day',
    'thank you so much',
    'No mention have a great day '
]

```

```

trainer.train(greet_conversation)
trainer.train(open_timings_conversation)
trainer.train(thank_conversation)

```

```

List Trainer: [#####] 100%
List Trainer: [#####] 100%
List Trainer: [#####] 100%

```

In [9]:

```

response = bot.get_response('I have a complaint.')

print("Bot Response:", response)

```

Bot Response: Please elaborate, your concern

In [11]:

```

name=input("Enter your name here ")
print("Welcome to the Bot Service! Let me know how can I help you?")
while True:
    request=input(name+ ':')
    if request=='Bye' or request == 'bye' or request == 'Byr' or request == 'byr':
        print('Bot: Bye')
        break
    else:
        response=bot.get_response(request)
        print('Bot:',response)

```

```

Enter your name here Bhoomi
Welcome to the Bot Service! Let me know how can I help you?
Bhoomi :Hello
Bot: hii
Bhoomi :how are you
Bot: i am everywhere
Bhoomi :I need a help
Bot: No Problem! Have a Good Day!
Bhoomi :I have a complaint
Bot: Please elaborate, your concern
Bhoomi :Thanks
Bot: Its my pleasure
Bhoomi :Good morning
Bot: Good day
Bhoomi :Bye
Bot: Bye

```

In [ ]: