

CODE::

```
# -*- coding: utf-8 -*-  
"""chatbot.ipynb
```

Automatically generated by Colaboratory.

Original file is located at
<https://colab.research.google.com/drive/1eV7sCmhUEE7OJ8MaXQeB0dHiL9Xcz5jm>
"""

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

```
pairs = [  
    [  
        r"my name is(.*)",  
        ["Hello %1, how are you today?",[  
    ],  
    [  
        r"what is your name?",  
        ["My name is Jarvis and I will help you with your financial queries today."],  
    ],  
    [  
        r"where to put(.*)money",  
        ["Basically there are many options to invest- 1.Regional and 2.Stocks.\nIn which section  
would you like to invest?",[  
    ],  
    [  
        r"Regional(.*)",  
        ["There are many- SBI,HSBC,DB. Which bank would you like to go for?",[  
    ],  
    [  
        r"SBI(.*)",  
        ["SBI offers 10 percent Interest."],  
    ],  
    [  
        r"DB(.*)",  
        ["DB offers 09 percent Interest."],  
    ],  
    [  
        r"HSBC(.*)",  
        ["HSBC offers 11 percent Interest."],  
    ],  
    [  
        r"(.*)Stocks(.*)",  
        ["We have 2 companies to offer: 1. AAA 2. BBB.\nchoose any one to know more.\n"],  
    ],  
    [  
        r"AAA(.*)",  
        ["The company AAA has a ROI = 10 percent",]  
    ],  
    [  

```

```

        r"BBB(.*)",
        ["The company BBB has a ROI = 12 percent",]
    ],
    [
        r"hi|hey|hello(.*)",
        ["Hello", "Hey there",]
    ],
    [
        r"quit",
        ["Signing out, see you again ^_^",]
    ],
]

```

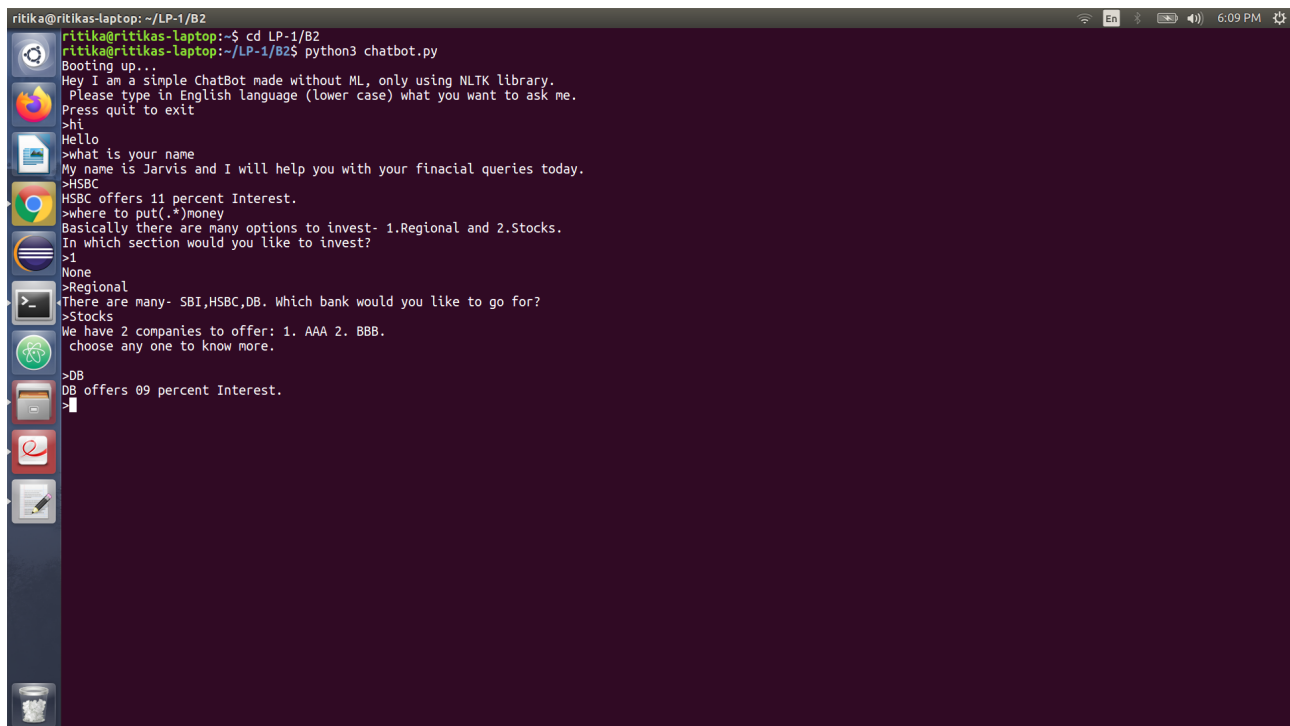
def chatbot():

"""Chat is the class that contains all the logic to be used by the chatbot,
 reflections is a predefined dictionary containing a set of input values and it's corresponding
 output values
 """

print("Booting up...\nHey I am a simple ChatBot made without ML, only using NLTK library.\n
 Please type in English language (lower case) what you want to ask me.\nPress quit to exit")
 chat = Chat(pairs, reflections)
 chat.converse()

if __name__ == "__main__":
 chatbot()

OUTPUT:::



```

ritika@ritikas-laptop: ~/LP-1/B2
ritika@ritikas-laptop:~$ cd LP-1/B2
ritika@ritikas-laptop:~/LP-1/B2$ python3 chatbot.py
Booting up...
Hey I am a simple ChatBot made without ML, only using NLTK library.
Please type in English language (lower case) what you want to ask me.
Press quit to exit
>hi
Hello
>what is your name
My name is Jarvis and I will help you with your financial queries today.
>HSBC
HSBC offers 11 percent Interest.
>where to put(.)money
Basically there are many options to invest- 1.Regional and 2.Stocks.
In which section would you like to invest?
>1
None
>Regional
There are many- SBI,HSBC,DB. Which bank would you like to go for?
>Stocks
We have 2 companies to offer: 1. AAA 2. BBB.
choose any one to know more.
>DB
DB offers 09 percent Interest.
>

```