In [ ]:
```
##.....ASSIGNMENT
```

In [9]:
```
##....questions from 6 th to 8 th
```

In [11]:
```
#...question number 6
dict_list = [{'name': 'affirm', 'confidence': 0.9448149204254},
             {'name': 'affirm', 'confidence': 0.944814920425415},
             {'name': 'inform', 'confidence': 0.9842240810394287},
             {'name': 'inform', 'confidence': 0.9842240810394287}]
list({v['confidence']:v for v in dict_list}.values())
```

Out[11]:
```
[{'name': 'affirm', 'confidence': 0.9448149204254},
 {'name': 'affirm', 'confidence': 0.944814920425415},
 {'name': 'inform', 'confidence': 0.9842240810394287}]
```

In [14]:
```
##...question number 7
import re
## password as pw
pw= input("enter the password: ")
flag = 1
while True:
    if (len(pw)<6 or len(pw)>16):
        break
    elif not re.search("[a-z]",pw):
        break
    elif not re.search("[0-9]",pw):
        break
    elif not re.search("[A-Z]",pw):
        break
    elif not re.search('[!"#$%&\'()*+,-.:;<=>?@[\]^_`{|}~]',pw):
        break
    else:
        print("valid password")
        flag = 0
        break
if flag:
    print("Invalid password")
```

```
enter the password: Iphone15s@
valid password
```

In [13]:
```
#... question number 8
from collections import Counter
d1 = {'a': 100, 'b': 200, 'c': 300}
d2 = {'a': 300, 'b': 200, 'd': 400}
d = Counter(d1)+Counter(d2)
print(d)
```

```
Counter({'a': 400, 'b': 400, 'd': 400, 'c': 300})
```

In [17]:
```
!pip install nltk
```

```
Collecting nltk
  Downloading nltk-3.6.7-py3-none-any.whl (1.5 MB)
Collecting regex>=2021.8.3
  Downloading regex-2021.11.10-cp310-cp310-win_amd64.whl (273 kB)
Collecting joblib
  Downloading joblib-1.1.0-py2.py3-none-any.whl (306 kB)
Collecting click
  Downloading click-8.0.3-py3-none-any.whl (97 kB)
Collecting tqdm
  Using cached tqdm-4.62.3-py2.py3-none-any.whl (76 kB)
Requirement already satisfied: colorama in c:\users\navitha\appdata\local\programs\python\python310\lib\site-packages (from click->nltk) (0.4.4)
Installing collected packages: tqdm, regex, joblib, click, nltk
Successfully installed click-8.0.3 joblib-1.1.0 nltk-3.6.7 regex-2021.11.10 tqdm-4.62.3
```

In [ ]:
```
import nltk
nltk.download()
```

```
showing info https://raw.githubusercontent.com/nltk/nltk_data/gh-pages/index.xml
```

In [ ]:
```
f=open('utterances.txt','r',errors = 'ignore')
raw=f.read
```

In [ ]:
```

```