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## PYTHON LAB ASSIGNMETN 18

### vs code:

It supports github repositories  
It supports and includes integrated terminals

## 1. SENTIMENT ANALYSIS USING TEXTBLOB

pip install textblob

```
prac.py > ...
1
2   from textblob import TextBlob
3   text=input("enter a sentence:")
4   blob=TextBlob(text)
5   print("polatiry:",blob.sentiment.polarity)
6   print("subjectivity:",blob.sentiment.subjectivity)
7   if blob.sentiment.polarity>0:
8     print("sentiment:negative")
9   else:
10    print("sentiment:neutral")
```

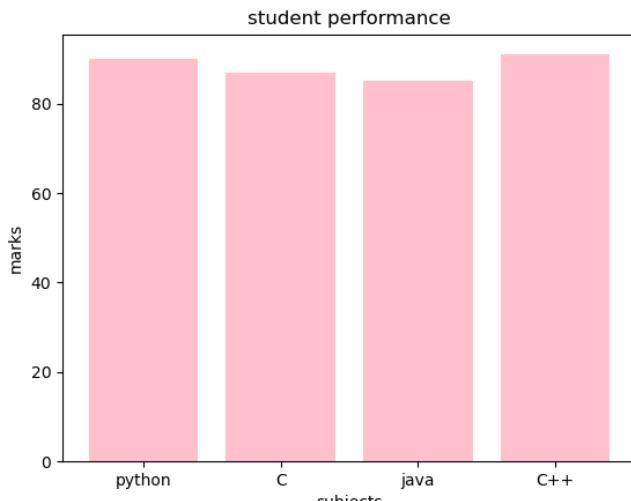
```
enter a sentence:hello everyone
polatiry: 0.0
subjectivity: 0.0
sentiment:neutral
```

## 2. DATA VISUALIZATION

pip install matplotlib

```
graph.py > ...
1   import matplotlib.pyplot as plt
2   subjects=['python','C','java','C++']
3   scores=[90,87,85,91]
4   plt.bar(subjects,scores,color='pink')
5   plt.title('student performance')
6   plt.xlabel('subjects')
7   plt.ylabel('marks')
8   plt.show()|
```

Figure 1



### 3.QR CODE GENERATOR

pip install qrcode

```
codee.py > ...
1 import qrcode
2 data="https://www.google.com/"
3 qr=qrcode.make(data)
4 qr.save("qr.png")
5 print("QR has been generated")
```

```
QR has been generated
```

```
● (base) matlab@sjt318scope019:~/pract$ /home
QR has been generated
```

qr.png

