



ADVANCED PYTHON PROGRAMMING

LAB ASSIGNMENT-18.

NAME: M.GOKULESH.

REG NO: 22MIC0102.

INTRODUCTION:

Visual Studio Code is a lightweight, open-source code editor. It is used for writing, editing, debugging, and running code in many programming languages. It is highly customizable with extensions. It has Integrated Git support. It is versatile, fast and customizable.

QUESTION NO 1:

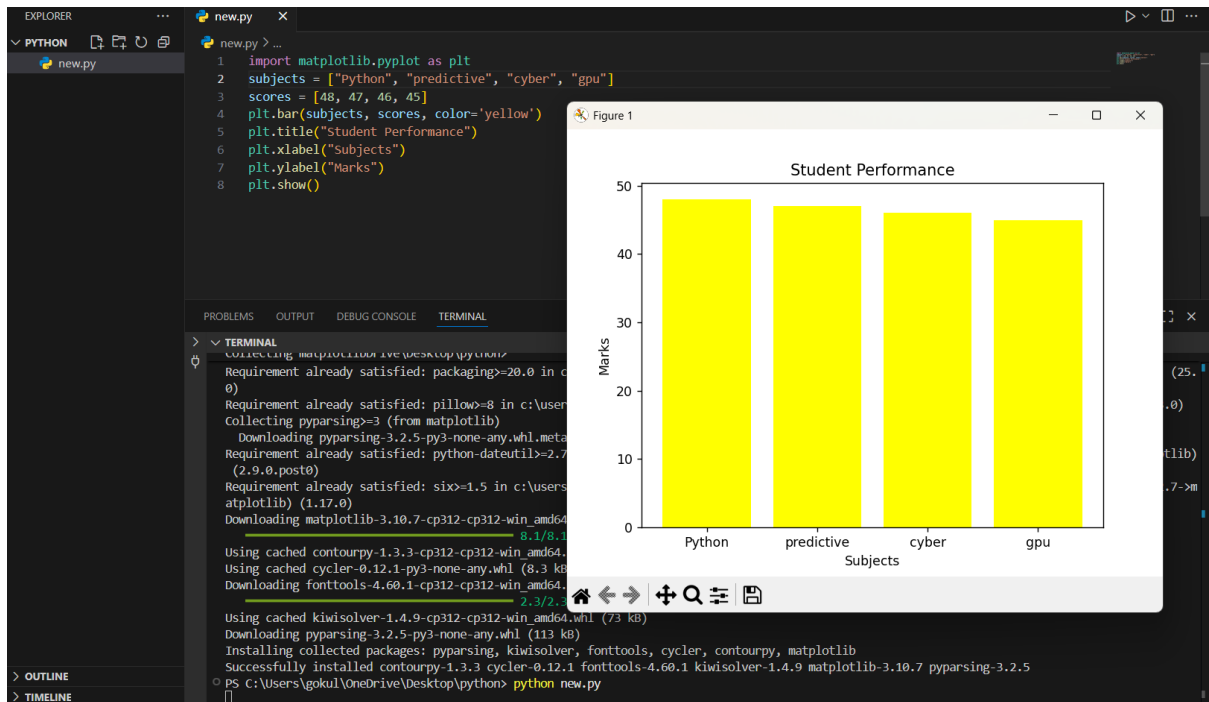
SENTIMENT ANALYSIS

```
1 from textblob import TextBlob
2 text = input("Enter a sentence: ")
3 blob = TextBlob(text)
4 print("Polarity:", blob.sentiment.polarity)
5 print("Subjectivity:", blob.sentiment.subjectivity)
6 if blob.sentiment.polarity > 0:
7     print("Sentiment: Positive ")
8 elif blob.sentiment.polarity < 0:
9     print("Sentiment: Negative")
10 else:
11     print("Sentiment: Neutral")
```

```
Requirement already satisfied: tqdm in c:\users\gokul\appdata\local\programs\python\python312\lib\site-packages (from nltk>=3.9->textblob) (4.6.3)
Requirement already satisfied: colorama in c:\users\gokul\appdata\local\programs\python\python312\lib\site-packages (from click>nltk>=3.9->textblob) (0.4.6)
Downloading textblob-0.19.0-py3-none-any.whl (624 kB)
624.3/624.3 kB 1.3 MB/s 0:00:00
Downloading nltk-3.9.2-py3-none-any.whl (1.5 MB)
1.5/1.5 MB 1.3 MB/s 0:00:01
Installing collected packages: nltk, textblob
Successfully installed nltk-3.9.2 textblob-0.19.0
PS C:\Users\gokul\OneDrive\Desktop\python> python new.py
Enter a sentence: the world is so beautiful
Polarity: 0.85
Subjectivity: 1.0
Sentiment: Positive
PS C:\Users\gokul\OneDrive\Desktop\python>
```

QUESTION NO 2:

MATPLOTLIB EXPERIMENTATION



QUESTION NO 3:

QR CODE GENERATION

