

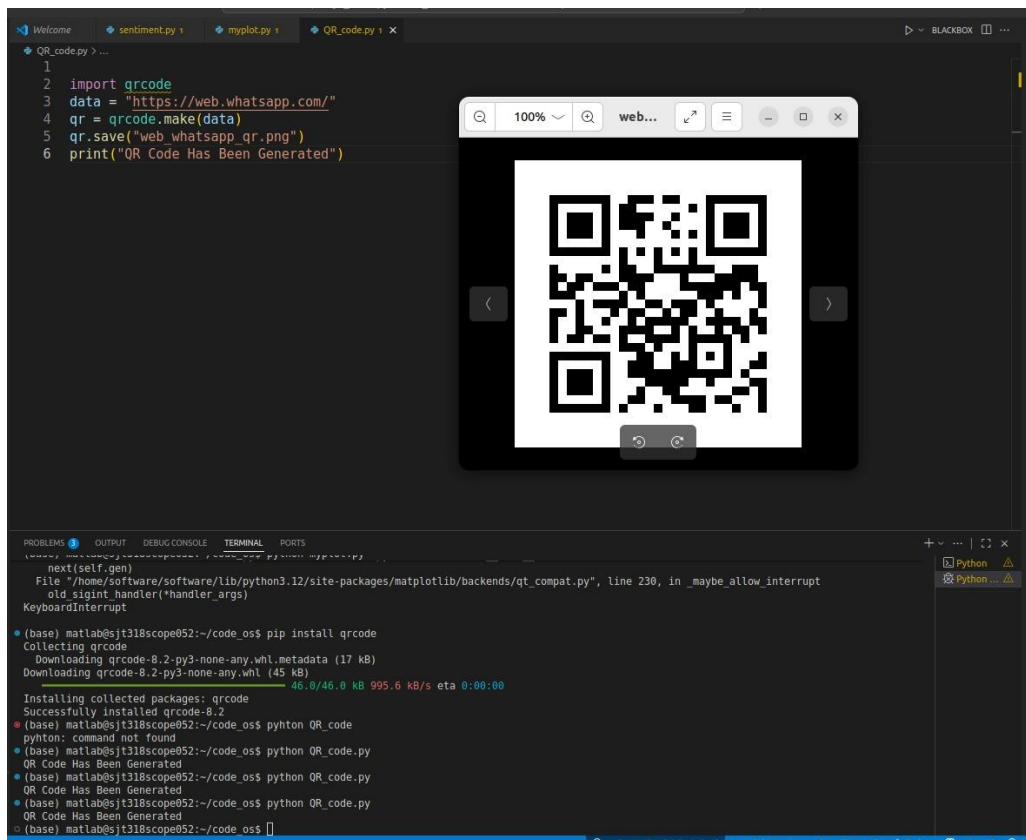
# CSI3007 - Advanced python programming

## LAB – 17

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The screenshot displays a Python IDE with a dark theme. The editor window shows a file named `QR_code.py` with the following code:

```
1
2 import qrcode
3 data = "https://web.whatsapp.com/"
4 qr = qrcode.make(data)
5 qr.save("web_whatsapp_qr.png")
6 print("QR Code Has Been Generated")
```

Below the editor, a terminal window shows the execution of the script. It includes the command `pip install qrcode` and the output of `python QR_code.py`, which prints "QR Code Has Been Generated". A small window titled "web..." is also visible, displaying a QR code that corresponds to the URL in the code.

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

PROBLEMS | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS
(base) matlab@sjt1318scope052:~/code_oss $ C
(base) matlab@sjt1318scope052:~/code_oss $ pip install textblob
Requirement already satisfied: textblob in /home/software/software/lib/python3.12/site-packages (0.19.0)
Requirement already satisfied: nltk<=3.9 in /home/software/software/lib/python3.12/site-packages (from textblob) (3.9.2)
Requirement already satisfied: click in /home/software/software/lib/python3.12/site-packages (from nltk<=3.9->textblob) (8.1.7)
Requirement already satisfied: joblib in /home/software/software/lib/python3.12/site-packages (from nltk<=3.9->textblob) (1.4.2)
Requirement already satisfied: regex<=2021.8.3 in /home/software/software/lib/python3.12/site-packages (from nltk<=3.9->textblob) (2023.10.3)
Requirement already satisfied: tqdm in /home/software/software/lib/python3.12/site-packages (from nltk<=3.9->textblob) (4.66.4)
(base) matlab@sjt1318scope052:~/code_oss $ python sentiment.py
File "/home/matlab/code_oss/sentiment.py", line 1
    pip install textblob
    ^^^^^^^^^^^^^^^^^^^
SyntaxError: invalid syntax
(base) matlab@sjt1318scope052:~/code_oss $ python sentiment.py
Enter a sentence: this python class is going good
Polarity: 0.7
Subjectivity: 0.6000000000000001
Sentiment: Positive
```

