Vishnu Anilkumar, Sahithya Swaminathan,
Rishi Pothukuchi, Ahmed Sabzwari, Calvin Tai
CMPE 131
February 4, 2024

Programming with Language Models

- Github Link: https://github.com/AhmedSabz/CMPE-131-Design-Project.git
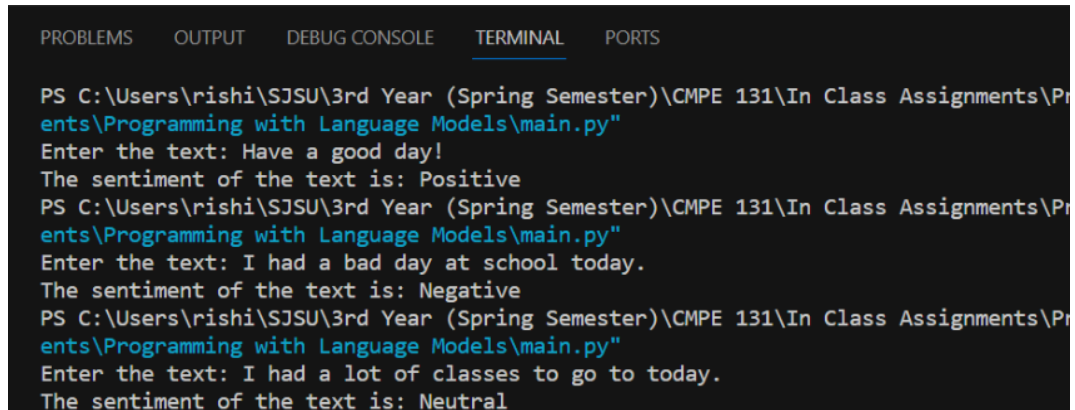
- ChatGPT Prompt

**You**

Can you write a program that takes a text string as an input and then outputs a message about the sentiment of the text string, whether it's "Positive", "Negative" or "Neutral"?

- Resulting Code

```python
main.py

main.py > analyze_sentiment
1   from textblob import TextBlob
2
3   def analyze_sentiment(text):
4       blob = TextBlob(text)
5       sentiment_polarity = blob.sentiment.polarity
6       if sentiment_polarity > 0:
7           return "Positive"
8       elif sentiment_polarity < 0:
9           return "Negative"
10      else:
11          return "Neutral"
12  input_text = input("Enter the text: ")
13  sentiment = analyze_sentiment(input_text)
14  print(f"The sentiment of the text is: {sentiment}")
15
```

- Program Output



```python
from textblob import TextBlob

def analyze_sentiment(text):
    blob = TextBlob(text)
    sentiment_polarity = blob.sentiment.polarity
    if sentiment_polarity > 0:
        return "Positive"
    elif sentiment_polarity < 0:
        return "Negative"
    else:
        return "Neutral"
input_text = input("Enter the text: ")
sentiment = analyze_sentiment(input_text)
print(f"The sentiment of the text is: {sentiment}")
```