TASK 3

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CODE=

TO PERFORM SENTIMENT ANALYSIS ON TEXT DATA USING NLTK

pip install nltk textblob

import nltk from nltk.sentiment import SentimentIntensityAnalyzer from textblob import TextBlob

nltk.download('vader_lexicon') nltk.download('vader_lexicon')

Initialize VADER SentimentIntensityAnalyzer

sia = SentimentIntensityAnalyzer()

Example text

text1 = "I really love the new AI features, they are so helpful and intuitive!"

Perform sentiment analysis

sentiment_nltk = sia.polarity_scores(text1)

print(" 🔹 Sentiment Analysis using NLTK VADER:") print(sentiment_nltk)

Example text

text2 = "The course was boring and the explanations were confusing."

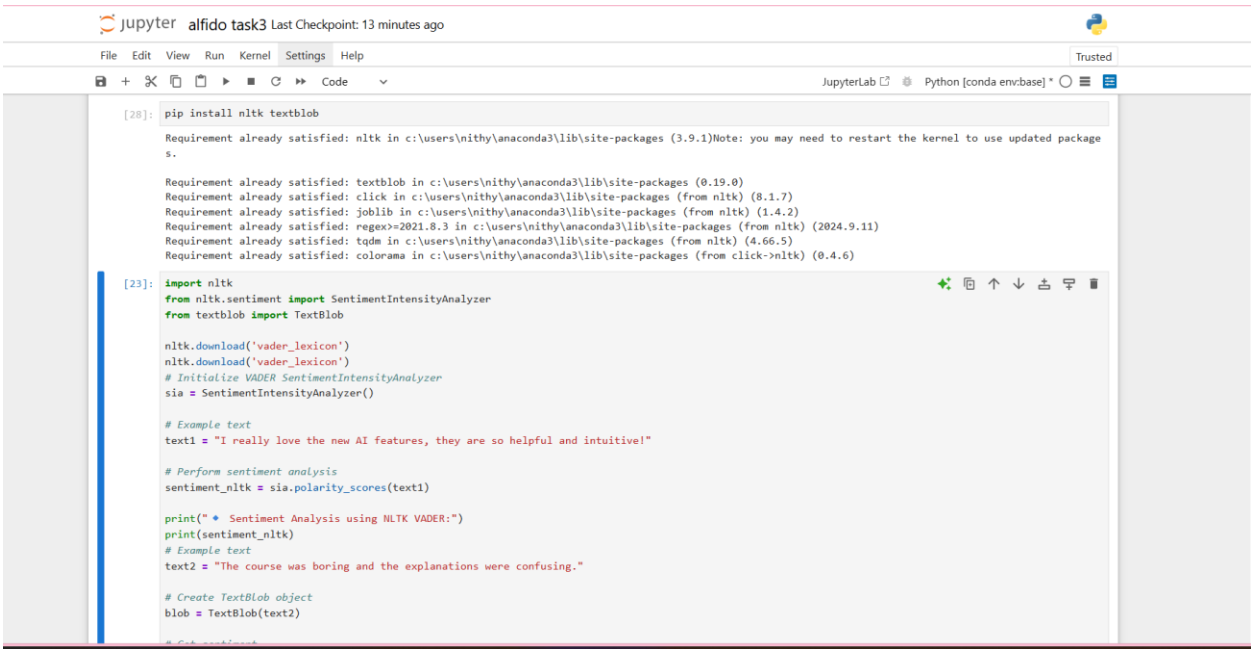
Create TextBlob object

blob = TextBlob(text2)

Get sentiment

print(" 🔹 Sentiment Analysis using TextBlob:") print(f"Polarity: {blob.sentiment.polarity}, Subjectivity: {blob.sentiment.subjectivity}")

OUTPUT==



```
text2 = "The course was boring and the explanations were confusing."

# Create TextBlob object
blob = TextBlob(text2)

# Get sentiment
print("🔹 Sentiment Analysis using TextBlob:")
print(f"Polarity: {blob.sentiment.polarity}, Subjectivity: {blob.sentiment.subjectivity}")
```

```
🔹 Sentiment Analysis using NLTK VADER:
{'neg': 0.0, 'neu': 0.543, 'pos': 0.457, 'compound': 0.8556}
🔹 Sentiment Analysis using TextBlob:
```