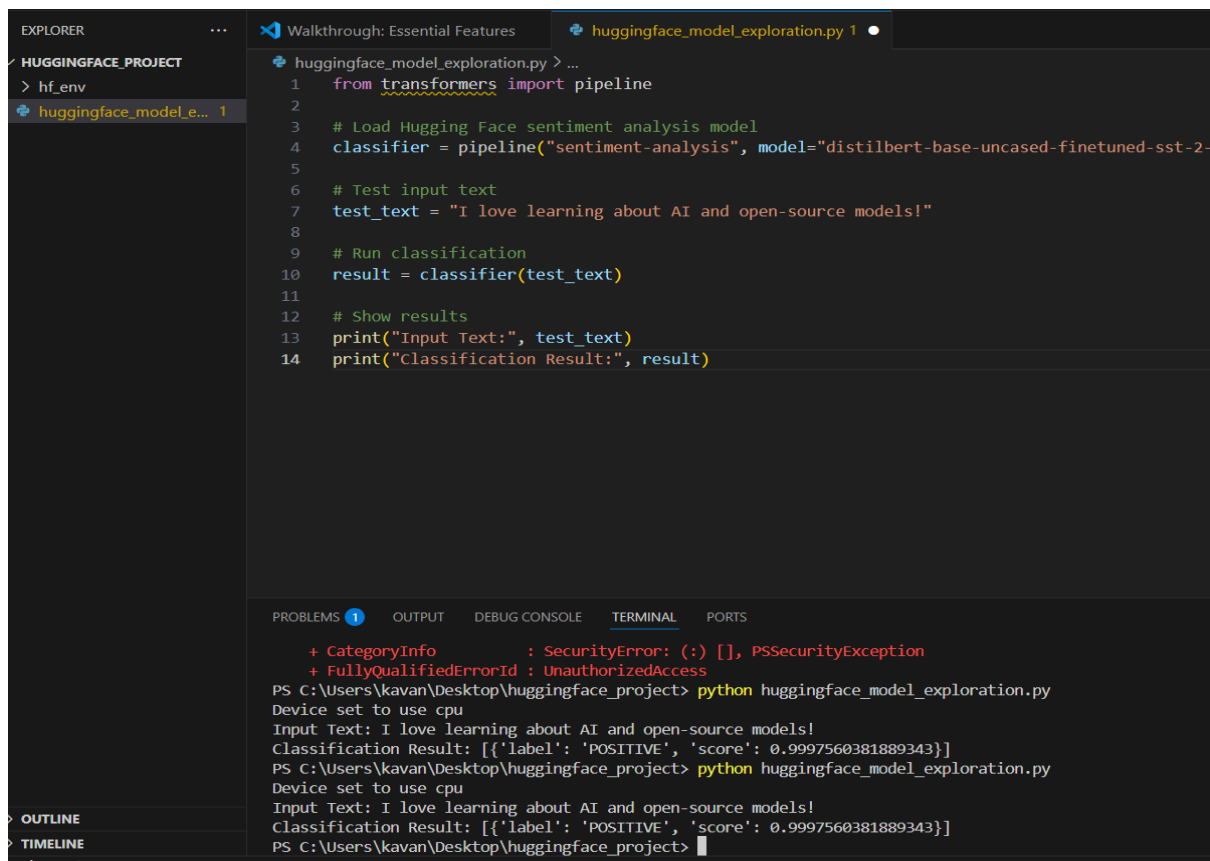


### Question 3

Result:



```
EXPLORER  ...  Walkthrough: Essential Features  huggingface_model_exploration.py 1
HUGGINGFACE_PROJECT
> hf_env
huggingface_model_e... 1

1  from transformers import pipeline
2
3  # Load Hugging Face sentiment analysis model
4  classifier = pipeline("sentiment-analysis", model="distilbert-base-uncased-finetuned-sst-2-english")
5
6  # Test input text
7  test_text = "I love learning about AI and open-source models!"
8
9  # Run classification
10 result = classifier(test_text)
11
12 # Show results
13 print("Input Text:", test_text)
14 print("Classification Result:", result)

PROBLEMS 1  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
+ CategoryInfo          : SecurityError: (:) [], PSSecurityException
+ FullyQualifiedErrorId : UnauthorizedAccess
PS C:\Users\kavan\Desktop\huggingface_project> python huggingface_model_exploration.py
Device set to use cpu
Input Text: I love learning about AI and open-source models!
Classification Result: [{'label': 'POSITIVE', 'score': 0.9997560381889343}]
PS C:\Users\kavan\Desktop\huggingface_project> python huggingface_model_exploration.py
Device set to use cpu
Input Text: I love learning about AI and open-source models!
Classification Result: [{'label': 'POSITIVE', 'score': 0.9997560381889343}]
PS C:\Users\kavan\Desktop\huggingface_project>
```

Program:

```
from transformers import pipeline

# Load Hugging Face sentiment analysis model

classifier = pipeline("sentiment-analysis", model="distilbert-base-uncased-finetuned-sst-2-english")

# Test input text

test_text = "I love learning about AI and open-source models!"

# Run classification

result = classifier(test_text)

# Show results

print("Input Text:", test_text)

print("Classification Result:", result)
```

### Question 3

Environment setup commands:

Transformers ,torch