

الاسم: رفيدة عزت منصور

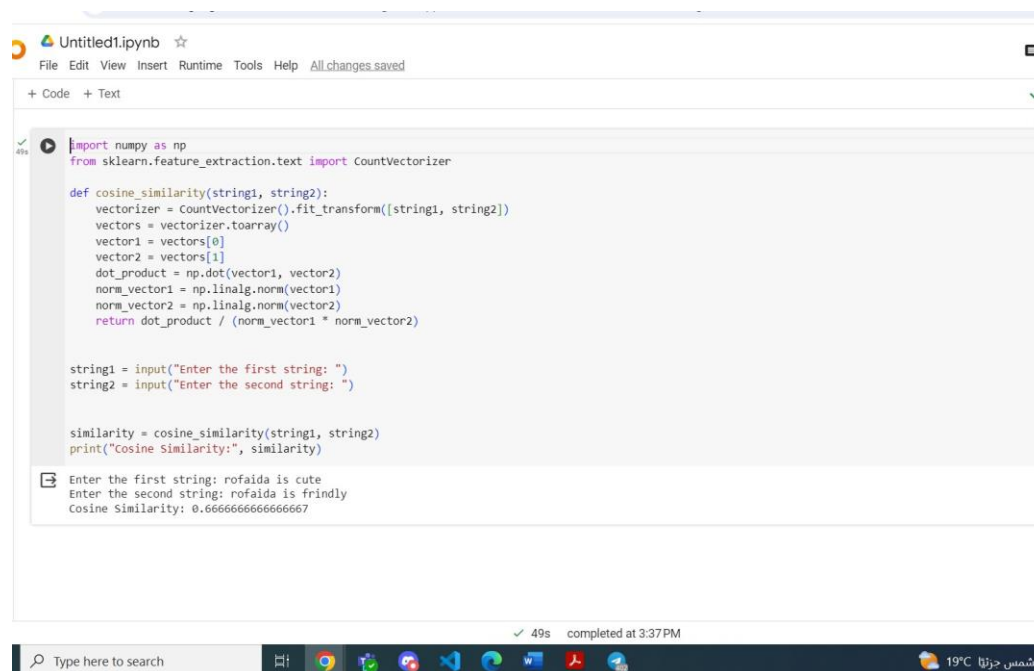
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```
import numpy as np
from sklearn.feature_extraction.text import CountVectorizer

def cosine_similarity(string1, string2):
    vectorizer = CountVectorizer().fit_transform([string1, string2])
    vectors = vectorizer.toarray()
    vector1 = vectors[0]
    vector2 = vectors[1]
    dot_product = np.dot(vector1, vector2)
    norm_vector1 = np.linalg.norm(vector1)
    norm_vector2 = np.linalg.norm(vector2)
    return dot_product / (norm_vector1 * norm_vector2)

string1 = input("Enter the first string: ")
string2 = input("Enter the second string: ")

similarity = cosine_similarity(string1, string2)
print("Cosine Similarity:", similarity)
```



Untitled1.ipynb

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```

Enter the first string: rofaida is cute
Enter the second string: rofaida is frindly
Cosine Similarity: 0.6666666666666667

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