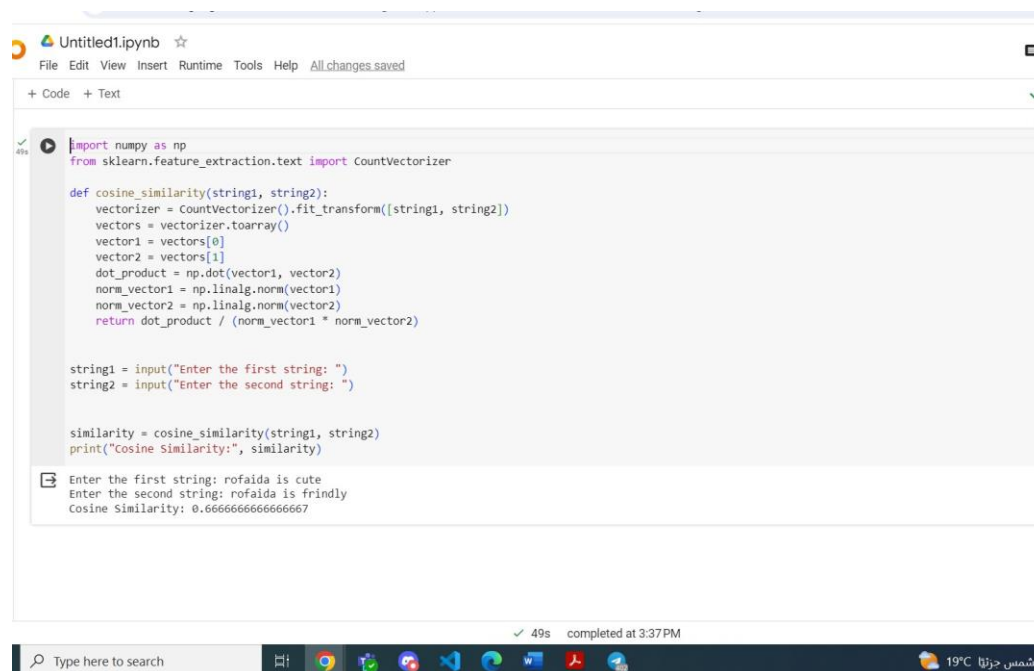الاسم: رفيده عزت منصور

20221453055

```python
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)
```