Dr. D. Y. Patil Pratishthan’s

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### **Name: Aparna Likhitkar Roll No.:36 Div A**

**End-Term Practical Examination**

**Subject: IT41L (Python Programming)**

**Class: MCA – II Div: Sem: IV Date: 1-6-21 Time: 09:30 AM Total Marks: 50**

**Q1) Write Python Program to Count the Frequency of Words Appearing in a String Using a Dictionary [10]**

**my\_string = input("Enter the string :")**

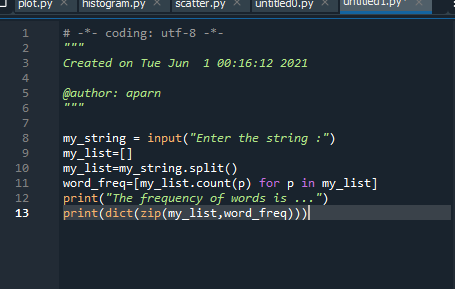
**my\_list=[]**

**my\_list=my\_string.split()**

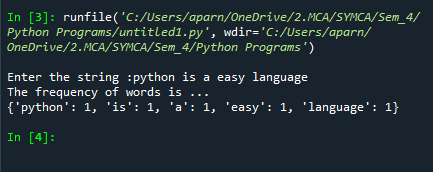
**word\_freq=[my\_list.count(p) for p in my\_list]**

**print("The frequency of words is ...")**

**print(dict(zip(my\_list,word\_freq)))**

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**Output :-**

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**Q2) [15]**

**Write a NumPy program to check two random arrays are equal or not. Sample Output:  
First array:  
[1 0 1 0 1 1]  
Second array:  
[0 0 1 1 1 0]  
Test above two arrays are equal or not!  
False**

**import numpy as np**

**x = np.random.randint(0,2,6)**

**print("First array:")**

**print(x)**

**y = np.random.randint(0,2,6)**

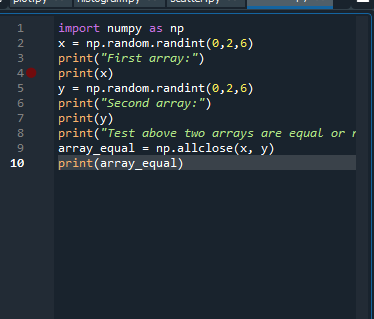
**print("Second array:")**

**print(y)**

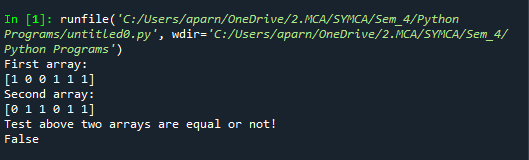
**print("Test above two arrays are equal or not!")**

**array\_equal = np.allclose(x, y)**

**print(array\_equal)**

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**Ouput :-**

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