

Exercise 4

Write a function that takes a sentence as input from the user and calculates the frequency of each letter. Use a variable of dictionary type to maintain the count.

Code

```
def Letter_Frequency(sentence):
    freq = {}
    for i in sentence:
        if (i in freq):
            freq[i] += 1
        else:
            freq[i] = 1
    for key, value in freq.items():
        if key != ' ':
            print("%s : %d" % (key, value), end='\t')

sentence = input('Enter a sentence: ')
Letter_Frequency(sentence)
```

Output

Enter a sentence: Python Programming

P: 2 y: 1 t: 1 h: 1 o: 2 n: 2 r: 2 g: 2 a: 1 m: 2
i: 1

Enter a sentence: Mangalore University

M: 1 a: 2 n: 2 g: 1 l: 1 o: 1 r: 2 e: 2 U: 1 i: 2
v: 1 s: 1 t: 1 y: 1

Date of Submission	Signature of the Faculty
Remarks	