

## Program 4

Read a paragraph from the user and count the number of words, and frequency of Words appearing, and search for the specific word.

### Program

```
#read the string / paragraph
str =input("Enter the paragraph\n")

#print the string / paragraph
print("Entered Paragraph\n"+str)

#The split() method splits a string into a list.
#The len() funcion finds the list count
wordCount=len(str.split())
print("Total Number of words : ", wordCount)#print the word count

counts = dict()# Create an empty dictionary
words = str.split()# The split() method splits a string into a list.

#Run a loop to iteratively to check the words
for word in words:
    if word in counts:#Check whether the word present in the dictionary or not
        #if word is present increase the word count
        counts[word] =counts[word]+ 1
    else:
        #If word is not present add new word to dictionary
        counts[word] = 1

#Run loop to display the words count
for key in list(counts.keys()):
    print(key, ":", counts[key])#print thr dictionary content and occrance
using counts[]

#input string / word to search
searchWord=input("Enter the word to search : ")
result = str.find(searchWord)#find() function finds the word in the string and
return the value

if(result!=-1):#if Found disply success message
    print(searchWord +" Word found in string")
else:#if not Found disply unsuccessful message
    print(searchWord + " !!!!! Word not found in string")
```



### Output

```
Enter the paragraph
banana orange orange banana apple
Entered Paragraph
banana orange orange banana apple
Total Number of words :    5
banana : 2
orange : 2|
apple : 1
Enter the word to search :  apple
apple  Word found in string
```