

LAB - 8 : Program to count the frequency of words appearing in string using a dictionary.

Program Logic

1. Write a function with string as parameter.
 1. Split the string as parameter.
 2. Declare a list variable and initialize it to an empty list.
 3. Iterate for loop to find unique word in string and store it to list.
 4. Count the frequency of each word and store it in another list.
 5. Iterate for loop to merge two list in dictionary.
 6. Return the dictionary.
2. Take input of string from user.
3. Call the function and print the dictionary.

In [8]:

```
def freq_dict(str):  
    str = str.split()  
    str2 = []           #To store unique word in string  
    count_list = []     #To count Frequency of word in string  
    dict = {}           #To store word in dict  
  
    #To find unique element in string str  
    for i in str:  
        if i not in str2:  
            str2.append(i)  
  
    #To create list of frequencies of word  
    for i in str2:  
        c = str.count(i)  
        count_list.append(c)  
  
    #To create dictionary from two lists  
    for i in range(len(str2)):  
        dict[str2[i]] = count_list[i]  
  
    return dict
```

In [7]:

```
str = input("Enter the string : ")  
print("Dictionary with frequency of word in string : ", freq_dict(str))
```

Enter the string : Apple Mango Apple Grapes Orange Orange Apple
Dictionary with frequency of word in string : {'Apple': 3, 'Mango': 1, 'Grapes': 1, 'Orange': 2}

