

## 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 [3]:

```
def freq_dict(str):  
    str = str.split()  
    str2 = []  
    count_list = []  
    dict = {}  
    for i in str:  
        if i not in str2:  
            str2.append(i)  
  
    for i in str2:  
        c = str.count(i)  
        count_list.append(c)  
  
    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}