Lab 5: Program to count the occurence of each word in a given string sentence

Program Logic

1.Write a function to count the occurence of each word.

A.Split the string into a list containing the words by using split function(i.e. String.split()) in python with delimiter space.Note: string_names.split(seperator) method is used to split the string by specified seperator(delimiter) into the list.If delimiter is not provided then white space is a seperator. B.Initialize a new empty list. C.Now append the word to the new list from previous string if that word is not present in the new list. D.Iterate over the new list and use count function Note:string_name.count(substring) is used to find no. of occurence of substring in a given string.

2.Write main() function to call above function.

3.Call main() function.

Write the function

In [3]:

```python
def word_count(str):
    str = str.split()
    str2 = [] # Empty list

    for i in str:
        if i not in str2:
            str2.append(i)

    for i in str2:
        print("The frequency of {} = {} ". format(i,str.count(i)))
```

Write main() to call for word_count()

In [4]:

```python
def main():
    str = "Apple Mango Apple Grape Mango Apple Grape Mango Banana"
    word_count(str)
```

Call main()

In [5]:

```python
if __name__ == "__main__":
    main()
```

```
The frequency of Apple = 3
The frequency of Mango = 3
The frequency of Grape = 2
The frequency of Banana = 1
```