LAB 5: Program to count the occurrences of each word in a given string sentence

Program Logic

1. Write a function to count the occuerence of each word 1.Split the list into a list containing the words by using split function(i.e) string.split()) in python with delimiter space. *Note* : **string_name.split(separator)method is used to split the string by specified spearator(delimiter) into the list. If delimiter is not provided then white space is a separator**
   - B. Initialise 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 occurrence of substring in a given string.**
2. Write main() function to call above function
3. Call main() function

Declare the function to find the occurrence of word in a string

In [6]:

```python
def count_word(str):
    str = str.split()
    str2 = []
    for i in str :
        if i not in str2:
            str2.append(i)
    for i in str2:
        print("{} has occured in the sentence {} times".format(i,str.count(i)))
```

In [11]:

```python
#driver function
def main():
    str = "apple kiwi apple Watermelon kiwi apple mango Watermelon mango"
    count_word(str)
```

In [12]:

```python
#driver function
if __name__=='__main__':
    main()
```

```
apple has occured in the sentence 3 times
kiwi has occured in the sentence 2 times
Watermelon has occured in the sentence 2 times
mango has occured in the sentence 2 times
```

In [ ]: