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

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**Program logic**
1.  Write a function with string as parameter
    1. split the string using split() function
    2. Declare a list variable and initialize it to an empty lisy.
    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 [1]:

```
def count_word(str):
    str = str.split() #to convert string to list

    unique_word = [] #storing unique word in string

    count_list = [] #to store frequency of word

    dict = {} #to store the {word: frequency}

    #to find unique words from string
    for i in str:
        if i not in unique_word:
            unique_word.append(i)

    #to count frequency of words from str
    for i in unique_word:
        c= str.count(i)
        count_list.append(c)

    #to create dictionary {word:frequency}
    for i in range(len(unique_word)):
        dict[unique_word[i]]=count_list[i]

    #return dict
    return dict
```

In [2]:

```
if __name__=='__main__':
    str = 'Apple Banana Mango Apple Kiwi Avacado Kiwi Avacado Kiwi Apple'
    print("Dictionary with word and frequency =")
    print(count_word(str))
```

```
Dictionary with word and frequency =
{'Apple': 3, 'Banana': 1, 'Mango': 1, 'Kiwi': 3, 'Avacado': 2}
```

In [ ]:

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