Program to create a dictionary with key as first character and value as words starting with that character.

Program Logic

1.Define function to create dictionary containing character as key and word as its value.

    1.Send one parameter as string.

    2.Inside function we required declare empty dictionary

    3.Split the string into words and store it in list

    4.Iterate for loop over the str and check if word is present in dictionary as a key

        1. if it is not present, initialize the letter of the word as key and the word as value and append it to a sublist created in list

        2. if it is present, add the word as value and append it to sublist.

    5.Return the dictionary

    6.End of function

2.Write the driver code.

    A.Ask user to enter the string.

    B.Print the return dictionary by calling the function.

Function Declaration

In [2]:

```
1   def create_dict(str):
2       dict = {}
3       str = str.split()
4
5       for word in str:
6           if word[0] not in dict.keys():
7               dict[word[0]] = []
8               dict[word[0]].append(word)
9           else :
10                  if word not in dict[word[0]]:
11                      dict[word[0]].append(word)
12      return dict
13
```

Driver Code

In [3]:

```
1  str = input("Enter the string")
2
3  print("String : ", str)
4
5  print("The dictionary =",create_dict(str) )
```

Enter the stringPython is the programming language which i like the most
String : Python is the programming language which i like the most
The dictionary = {'P': ['Python'], 'i': ['is', 'i'], 't': ['the'], 'p': ['pr
ogramming'], 'l': ['language', 'like'], 'w': ['which'], 'm': ['most']}