Program to create a dictionary with key as First Character and Value as word 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 ke
y
     1. if it is not present, initialize the letter of the word as key and the wor
d 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
```

Define a function

In [2]:

```
def create_dictionary(str):
    str = str.split() # to convert string to list
    dict = {} #empty

    for word  in str:
        #whether key is not present in dictionary
        #if true then add key in the dict and word in the sublist
        #of value in the dict
        if word[0] not in dict.keys():
            #create empty sublist for each new key to store value
            dict[word[0]] = []
            dict[word[0]].append(word)
            #if key is present then check word in sublist of key
            #if not prresent append word in sublist of key
        else:
            if word not in dict[word[0]]:
                dict[word[0]].append(word)
    return dict
```

driver code

In [3]:

```
if __name__== '__main__':
    str = input("Enter the string : ")
    print("Dictionary with first char as a key and word as value list is:")
    print(create_dictionary(str))
```

```
Enter the string : python is a programming language which I like the most
Dictionary with first char as a key and word as value list is:
{'p': ['python', 'programming'], 'i': ['is'], 'a': ['a'], 'l': ['language',
'like'], 'w': ['which'], 'I': ['I'], 't': ['the'], 'm': ['most']}
```