Assignment - 05 -191109010

Question No.01

In [10]:
```
t3 = ['a','b','c','d','e']
t3[1] = 'B'
t3 = ['A',]+t3[1:]
print (t3)
```

```
['A', 'B', 'c', 'd', 'e']
```

Question No.02

In [4]:
```
t1 = ('p','y','t','h','o','n','p','r','o','g','r','a','m')
#count
print("Count of P : ",t1.count('p'))
#index
print("Index of Y : ",t1.index('y'))
print("Index of H : ",t1.index('h'))
```

```
Count of P :  2
Index of Y :  1
Index of H :  3
```

Question No.03 Dictionary

In [16]:
```
# dictionary with integer keys
my_dict = {1: 'apple', 2: 'ball'}
print (my_dict)
print (my_dict[2])
```

```
{1: 'apple', 2: 'ball'}
ball
```

Question No.04

In [17]:
```
# dictionary with mixed keys
my_dict = {'name': 'John', 1: [2, 4, 3]}
print (my_dict)
print (my_dict['name'])
print (my_dict[1])
```

```
{'name': 'John', 1: [2, 4, 3]}
John
[2, 4, 3]
```

Question No.05

In [18]:
```
my_dic = { (1,2,3):"abc", 3.14:"abc"}
print (my_dic)
```

```
{(1, 2, 3): 'abc', 3.14: 'abc'}
```

Question No.06

In [20]:
```
# using dict()
my_dict = dict({1:'apple', 2:'ball'})
print (my_dict)
```

```
{1: 'apple', 2: 'ball'}
```

Question No.07

In [30]:
```
my_dict={'name':'Ram','age':21}
print ("All items                  : ",my_dict) # display all items
print ("Retrieving a value of Name : ",my_dict.get('name')) # Retrieves the value of namekey
my_dict['age']=23 # update value
print ("All items                  : ",my_dict)
my_dict['dept']='CSE' # additem
print ("Adding new item            : ",my_dict)
```

```
All items                  :  {'name': 'Ram', 'age': 21}
Retrieving a value of Name :  Ram
All items                  :  {'name': 'Ram', 'age': 23}
Adding new item            :  {'name': 'Ram', 'age': 23, 'dept': 'CSE'}
```

Question No.08

In [56]:
```
squares={1:1,2:4,3:9,4:16,5:25}
print("Popping 3                : ",squares.pop(3)) # remove a particular item
print("All items                : ",squares)
print("Remove an arbitrary item : ",squares.popitem()) # remove an arbitrary item
print("All items(after remove)  : ",squares)
del squares[4] # delete a particular item
print("Remove a particular item : ",squares)
print ("Remove all items        : ",squares.clear()) # remove all items
print ("After Removed           : ",squares)
```

```
Popping 3                :  9
All items                :  {1: 1, 2: 4, 4: 16, 5: 25}
Remove an arbitrary item :  (5, 25)
All items(after remove)  :  {1: 1, 2: 4, 4: 16}
Remove a particular item :  {1: 1, 2: 4}
Remove all items        :  None
After Removed           :  {}
```

Question No.09

In [35]:
```
marks={}.fromkeys(['Math','English','Science'],0)
print (marks)
for item in marks.items():
    print (item)
print (list(sorted(marks.keys())))
```

```
{'Math': 0, 'English': 0, 'Science': 0}
('Math', 0)
('English', 0)
('Science', 0)
['English', 'Math', 'Science']
```

Question No.10

In [58]:
```
squares={1:1,2:4,3:9,4:16,5:25}
for i in squares:
    print(squares[i])
```

```
1
4
9
16
25
```