

Python Programming

Assignment - 5

```
t3= ('a', 'b', 'c', 'd', 'e')
```

```
t3[1]= 'B'
```

```
t3 = ('A',) + t3 [1:]
```

```
print t
```

Output:

2)

```
t1 = ('p','y','t','h','o','n','p','r','o','g','r','a','m')
```

```
# Count
```

```
print(t1.count('p'))
```

```
# Index
```

```
print t1.index('y')
```

```
print t1.index('h')
```

Output:

Dictionary

3) # dictionary with integer keys

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

```
print my_dict
```

```
print my_dict[2]
```

4) # dictionary with mixed keys

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

```
print my_dict
```

```
print my_dict['name']
```

```
print my_dict[1]
```

Output:

5)

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

Output:

6) # using dict()

```
my_dict = dict({ 1:'apple', 2:'ball'})  
print my_dict
```

Output:

7)

```
my_dict={'name':'Ram','age':21}  
print my_dict # display all items  
print my_dict.get('name') # Retrieves the value of name  
keymy_dict['age']=23 # update value  
print my_dict  
my_dict['dept']='CSE' # add  
itemprint my_dict
```

Output:

8)

```
squares={ 1:1,2:4,3:9,4:16,5:25}  
print(squares.pop(3)) # remove a particular
```

```
itemprint squares
print (squares.popitem()) # remove an arbitrary
itemprint squares
del squares[5] # delete a particular
itemsquares.clear() # remove all
items
print squares
```

Sample Output:

9) Sorting a Dictionary

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

Sample Output:

10) Iterating Through a Dictionary

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

Sample Output: