**TUPLES**:

>>> tup = (21,36,14,25)

>>> tup

(21, 36, 14, 25)

>>> tup[1]

36

>>> tup[1] = 23

Traceback (most recent call last):

File "<pyshell#3>", line 1, in <module>

tup[1] = 23

TypeError: 'tuple' object does not support item assignment

\\ In tuple we can not assign new number or replace numbers. It is a read only data type

>>>

>>> tup.count(1)

0

**SETS:**

>>> s = {22,25,14,21,5}

>>> s

{5, 14, 21, 22, 25}

>>>

>>> s = {13,22,42,98,17,22}

>>> s

{98, 42, 13, 17, 22}

\\ In set the number assigned and number printed sequence is not maintained and two IDENTICAL numbers can not be assigned in a single set.

>>> s[2]

Traceback (most recent call last):

File "<pyshell#17>", line 1, in <module>

s[2]

>>> s.pop

<built-in method pop of set object at 0x039B56B8>

>>> s

{98, 42, 13, 17}

**DICTIONARY:**

>>> data = {1:'pratik', 2:'argha', 3:'atabi'}

>>> data

{1: 'pratik', 2: 'argha', 3: 'atabi'}

>>> data[3]

'atabi'

>>>

>>> data.get(1)

'pratik'

>>> data.get(4)

>>> print(data.get(4))

None

>>> data.get(4,'not found')

'not found'

>>> keys = ['pratik', 'argha','atabi']

>>> values = ['python','java','c']

>>> data = dict(zip(keys,values))

>>> data

{'pratik': 'python', 'argha': 'java', 'atabi': 'c'}

>>> data['pratik']

'python'

>>> data['nabanita'] = 'cpp'

>>> data

{'pratik': 'python', 'argha': 'java', 'atabi': 'c', 'nabanita': 'cpp'}

>>> del data['atabi']

>>> data

{'pratik': 'python', 'argha': 'java', 'nabanita': 'cpp'}

>>> prog = {'js':'atom','cs':'vs','python':['paycharm','sublime'],'java':{'jse':'netbeans','jee':'eclipse'}}

>>> prog

{'js': 'atom', 'cs': 'vs', 'python': ['paycharm', 'sublime'], 'java': {'jse': 'netbeans', 'jee': 'eclipse'}}

>>> prog['js']

'atom'

>>> prog['python']

['paycharm', 'sublime']

>>> prog['java']

{'jse': 'netbeans', 'jee': 'eclipse'}

>>> prog['java']['jee']

'eclipse'