Day 2 pyth

In [1]:
```python
#List & Its Functions
```

In [2]:
```python
lst = ["Abhinav",1,2,3,[1,2,3]]
```

In [3]:
```python
lst
```
Out[3]:
```
['Abhinav', 1, 2, 3, [1, 2, 3]]
```

In [4]:
```python
lst.append("Commerce")
```

In [5]:
```python
lst
```
Out[5]:
```
['Abhinav', 1, 2, 3, [1, 2, 3], 'Commerce']
```

In [6]:
```python
lst [4][1]
```
Out[6]:
```
2
```

In [10]:
```python
lst.count("Commerce")
```
Out[10]:
```
1
```

In [11]:
```python
lst.index("Abhinav")
```
Out[11]:
```
0
```

In [12]:
```python
lst.insert(2,"TAFS")
```

In [13]:
```python
lst
```
Out[13]:
```
['Abhinav', 1, 'TAFS', 2, 3, [1, 2, 3], 'Commerce']
```

In [14]:
```python
lst.remove("TAFS")
```

In [16]:
```
lst
```
Out[16]:
```
['Abhinav', 1, 2, 3, [1, 2, 3], 'Commerce']
```

In [18]:
```
lst.reverse()
```

In [19]:
```
lst
```
Out[19]:
```
['Commerce', [1, 2, 3], 3, 2, 1, 'Abhinav']
```

In [20]:
```
lst.pop()
```
Out[20]:
```
'Abhinav'
```

In [21]:
```
lst
```
Out[21]:
```
['Commerce', [1, 2, 3], 3, 2, 1]
```

In [22]:
```
lst.pop(-2)
```
Out[22]:
```
2
```

In [23]:
```
lst
```
Out[23]:
```
['Commerce', [1, 2, 3], 3, 1]
```

In [26]:
```
lstb = ["Abhinav",2010]
```

In [27]:
```
lstb
```
Out[27]:
```
['Abhinav', 2010]
```

In [28]:
```
lst
```
Out[28]:
```
['Commerce', [1, 2, 3], 3, 1]
```

```
In [29]:
```

```python
lst.extend(lstb)
```

```
In [30]:
```

```python
lst
```

```
Out[30]:
```

```python
['Commerce', [1, 2, 3], 3, 1, 'Abhinav', 2010]
```

```
In [31]:
```

```python
#Dictionary & It's Default Functions
```

```
In [32]:
```

```python
dict = {"Name": "Abhinav", "Age": 21, "Last Name": "K."}
```

```
In [33]:
```

```python
dict
```

```
Out[33]:
```

```python
{'Name': 'Abhinav', 'Age': 21, 'Last Name': 'K.'}
```

```
In [34]:
```

```python
dict.values()
```

```
Out[34]:
```

```python
dict_values(['Abhinav', 21, 'K.'])
```

```
In [35]:
```

```python
dict.keys()
```

```
Out[35]:
```

```python
dict_keys(['Name', 'Age', 'Last Name'])
```

```
In [36]:
```

```python
dict.clear()
```

```
In [37]:
```

```python
dict
```

```
Out[37]:
```

```python
{}
```

```
In [38]:
```

```python
dict = {"Name": "Abhinav K.", "Age": 21}
```

```
In [39]:
```

```python
dict
```

```
Out[39]:
```

```python
{'Name': 'Abhinav K.', 'Age': 21}
```

```
In [40]:
```

```python
dict.copy()
```

```
Out[40]:
```

```
{'Name': 'Abhinav K.', 'Age': 21}
```

In [41]:

```python
dict2 = dict.copy()
```

In [42]:

```python
dict2
```

Out[42]:

```
{'Name': 'Abhinav K.', 'Age': 21}
```

In [46]:

```python
dict.get("Name")
```

Out[46]:

```
'Abhinav K.'
```

In [47]:

```python
dict.items()
```

Out[47]:

```
dict_items([('Name', 'Abhinav K.'), ('Age', 21)])
```

In [48]:

```python
dict.pop("Age")
```

Out[48]:

```
21
```

In [49]:

```python
dict
```

Out[49]:

```
{'Name': 'Abhinav K.'}
```

In [50]:

```python
dict2
```

Out[50]:

```
{'Name': 'Abhinav K.', 'Age': 21}
```

In [51]:

```python
dict ["School"] = "TAFS"
```

In [52]:

```python
dict
```

Out[52]:

```
{'Name': 'Abhinav K.', 'School': 'TAFS'}
```

In [53]:

```python
#Sets & It's Function
```

In [54]:

```python
st = {"Abhinav",1,2,2,3,4,5,3,4,}
```

```
In [55]:
st
```

Out[55]:

```
{1, 2, 3, 4, 5, 'Abhinav'}
```

```
In [64]:
st1 = {"Abhinav",7}
```

```
In [66]:
st1.issubset(st)
```

Out[66]:

```
False
```

```
In [58]:
st.add("January")
```

```
In [67]:
st
```

Out[67]:

```
{1, 2, 3, 4, 5, 'January', 'Abhinav'}
```

```
In [65]:
st1.intersection(st)
```

Out[65]:

```
{'Abhinav'}
```

```
In [68]:
st1.difference(st)
```

Out[68]:

```
{7}
```

```
In [69]:
st.difference(st1)
```

Out[69]:

```
{1, 2, 3, 4, 5, 'January'}
```

```
In [70]:
st.difference_update(st1)
```

```
In [71]:
st1
```

Out[71]:

```
{7, 'Abhinav'}
```

```
In [74]:
st
```

Out[74]:

```
{1, 2, 3, 4, 5, 'January'}
```

In [75]:
```python
#Tuple & Its Function
```

In [76]:
```python
tup = ("Abhinav", "K.", "Commerce", "BBA")
```

In [77]:
```python
tup
```
Out[77]:
```
('Abhinav', 'K.', 'Commerce', 'BBA')
```

In [79]:
```python
tup.count("Abhinav")
```
Out[79]:
```
1
```

In [80]:
```python
tup.count("K.")
```
Out[80]:
```
1
```

In [81]:
```python
tup.index("Abhinav")
```
Out[81]:
```
0
```

In [1]:
```python
a = 10
b = 20
c = 30
d = 30.5
```

In [2]:
```python
z = c + d
```

In [3]:
```python
z
```
Out[3]:
```
60.5
```

In [4]:
```python
type(z)
```
Out[4]:
```
float
```

In [5]:
```python
x = a + b
```

In [6]:
```
x
```
Out[6]:
```
30
```

In [7]:
```
type(x)
```
Out[7]:
```
int
```

In [8]:
```
name = "Abhinav K."
```

In [9]:
```
name1 = "rado"
```

In [10]:
```
name
```
Out[10]:
```
'Abhinav K.'
```

In [11]:
```
name1
```
Out[11]:
```
'rado'
```

In [17]:
```
name2 = name + " " + name1
```

In [18]:
```
name2
```
Out[18]:
```
'Abhinav K. rado'
```

In [19]:
```
type(name2)
```
Out[19]:
```
str
```

In [ ]: