# Assignment 1

In [1]:

```
#List & Its Functions
```

In [2]:

```
lst = ["Sejal",1,2,3,[1,2,3]]
```

In [3]:

```
lst
```

Out[3]:

```
['Sejal', 1, 2, 3, [1,  2, 3]]
```

In [4]:

```
lst.append("Commerce")
```

In [5]:

```
lst
```

Out[5]:

```
['Sejal', 1, 2, 3, [1,  2, 3], 'Commerce']
```

In [6]:

```
lst [4][1]
```

Out[6]:

```
2
```

In [10]:

```
lst.count("Commerce")
```

Out[10]:

```
1
```

In [11]:

```
lst.index("Sejal")
```

Out[11]:

```
0
```

In [12]:

```
lst.insert(2,"TAFS")
```

In [13]:

```
lst
```

Out[13]:

```
['Sejal', 1, 'TAFS', 2, 3, [1, 2, 3], 'Commerce']
```

In [14]:

```
lst.remove("TAFS")
```

In [16]:

```
lst
```

Out[16]:

```
['Sejal', 1, 2,  3, [1, 2, 3], 'Commerce']
```

In [18]:

```
lst.reverse()
```

In [19]:

```
lst
```

Out[19]:

```
['Commerce', [1, 2, 3], 3, 2, 1, 'Sejal']
```

In [20]:

```
lst.pop()
```

Out[20]:

```
'Sejal'
```

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 = ["Sejal",2010]
```

In [27]:

```
lstb
```

Out[27]:

```
['Sejal', 2010]
```

In [28]:

```
lst
```

Out[28]:

```
['Commerce', [1, 2, 3], 3, 1]
```

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

In [30]:

```
lst
```

Out[30]:

```
['Commerce', [1, 2, 3], 3, 1, 'Sejal', 2010]
```

In [31]:

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

In [32]:

```
dict = {"Name": "Sejal", "Age": 19, "Last Name": "Singh"}
```

In [33]:

```
dict
```

Out[33]:

```
{'Name': 'Sejal', 'Age': 19, 'Last Name': 'Singh'} In
```

[34]:

```
dict.values()
```

Out[34]:

```
dict_values(['Sejal', 19, 'Singh'])
```

In [35]:

```
dict.keys()
```

Out[35]:

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

In [36]:

```
dict.clear()
```

In [37]:

```
dict
```

Out[37]:

```
{}
```

In [38]:

```
dict = {"Name": "Sejal Singh", "Age": 19}
```

In [39]:

```
dict
```

Out[39]:

```
{'Name': 'Sejal Singh', 'Age': 19} In
```

[40]:

```
dict.copy()
```

Out[40]:

[41]:

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

In [42]:

```
dict2
```

Out[42]:

{'Name': 'Sejal Singh', 'Age': 19} In

[46]:

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

Out[46]:

'Sejal Singh'

In [47]:

```
dict.items()
```

Out[47]:

dict_items([('Name', 'Sejal Singh'), ('Age', 19)]) In

[48]:

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

Out[48]:

19

In [49]:

```
dict
```

Out[49]:

{'Name': 'Sejal Singh'} In

[50]:

```
dict2
```

Out[50]:

{'Name': 'Sejal Singh', 'Age': 19} In

[51]:

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

In [52]:

```
dict
```

Out[52]:

{'Name': 'Sejal Singh', 'School': 'TAFS'} In

[53]:

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

In [54]:

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

In [55]:

```
st
```

Out[55]:

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

In [64]:

```
st1 = {"Sejal",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', 'Sejal'}
```

In [65]:

```
st1.intersection(st)
```

Out[65]:

```
{'Tushar'}
```

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, 'Sejal'}
```

In [74]:

```
st
```

Out[74]:

In [75]:

```
#Tuple & Its Function
```

In [76]:

```
tup = ("Sejal", "Singh", "Commerce", "BBA")
```

In [77]:

```
tup
```

Out[77]:

('Sejal', 'Singh', 'Commerce', 'BBA') In

[79]:

```
tup.count("Sejal")
```

Out[79]:

1

In [80]:

```
tup.count("Singh")
```

Out[80]:

1

In [81]:

```
tup.index("Sejal")
```

Out[81]:

0

In [1]:

```
a = 10
b = 20
c = 30
d = 30.5
```

In [2]:

```
z = c + d
```

In [3]:

```
z
```

Out[3]:

60.5

In [4]:

```
type(z)
```

Out[4]:

float

In [5]:

```
x = a + b
```

In [6]:

```
x
```

Out[6]:

```
30
```

In [7]:

```
type(x)
```

Out[7]:

```
int
```

In [8]:

```
name = "Sejal Singh"
```

In [9]:

```
name1 = "Tom Martin"
```

In [10]:

```
name
```

Out[10]:

```
'Sejal Singh'
```

In [11]:

```
name1
```

Out[11]:

```
'Tom Martin'
```

In [17]:

```
name2 = name + " " + name1
```

In [18]:

```
name2
```

Out[18]:

```
'Sejal Singh Tom Martin'
```

In [19]:

```
type(name2)
```

Out[19]:

```
str
```

In [ ]:

```

```