In [2]:

```
#print function
print("Ankita");
```

```
Ankita
```

In [6]:

```
#data type & identifier/variable name
name="ankita"
age=20
pg="dsai"
weight=0.5
print(name,age,pg,weight)
```

```
ankita 20 dsai 0.5
```

In [7]:

```
type(age)
```

Out[7]:

```
int
```

In [8]:

```
type(name)
```

Out[8]:

```
str
```

In [9]:

```
type(weight)
```

Out[9]:

```
float
```

In [10]:

```
type(pg)
```

Out[10]:

```
str
```

In [11]:

```
#this is the list
shoppinglist=['maggie','rice','1kg',2]
```

In [13]:

```
shoppinglist[2]
```

Out[13]:

```
'1kg'
```

In [14]:

```
print(shoppinglist)
```

```
['maggie', 'rice', '1kg', 2]
```

In [17]:

```
shoppinglist[0:3]
```

Out[17]:

```
['maggie', 'rice', '1kg']
```

In [19]:

```
shoppinglist[-1]
```

Out[19]:

```
2
```

In [20]:

```
#singleline comment
"""multiline comment"""
```

Out[20]:

```
'multiline comment'
```

In [23]:

```
shoppinglist.append(45)
```

In [24]:

```
shoppinglist
```

Out[24]:

```
['maggie', 'rice', '1kg', 2, 45]
```

In [31]:

```
shoppinglist.extend([9,8,90,9])
```

In [32]:

```
shoppinglist
```

Out[32]:

```
['maggie', 'rice', '1kg', 2, 45, 9, 8, 90, 9, 8, 90, 9]
```

In [33]:

```
print(shoppinglist*3)
```

```
['maggie', 'rice', '1kg', 2, 45, 9, 8, 90, 9, 8, 90, 9, 'maggie', 'rice', '1
kg', 2, 45, 9, 8, 90, 9, 8, 90, 9, 'maggie', 'rice', '1kg', 2, 45, 9, 8, 90,
9, 8, 90, 9]
```

In [30]:

```
shoppinglist*3
```

Out[30]:

```
['maggie',
 'rice',
 '1kg',
 2,
 45,
 9,
 8,
 90,
 'maggie',
 'rice',
 '1kg',
 2,
 45,
 9,
 8,
 90,
 'maggie',
 'rice',
 '1kg',
 2,
 45,
 9,
 8,
 90]
```

In [40]:

```
#singleline statement
a=5;print(a)
#multiline statement
a=5
print(a)
```

```
5
5
```

In [50]:

```
#This is a set
a1=set([1,2,3])
b2=set([3,4,5])
#Union
print(a1|b2)
#intersection
print(a1.intersection(b2))
```

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

In [47]:

```
#this is the dictionary
DSAI={1:'ANKITA',2:'ANUSHKA'}
DSAI.get(2)
```

Out[47]:

```
'ANUSHKA'
```