

In [1]:

```
#PRINT TYPES
```

In [12]:

```
print("Hari Reddy")
```

Hari Reddy

In [13]:

```
a='Hari Reddy'
```

In [14]:

```
print(a)
```

Hari Reddy

In [15]:

```
age = 21
```

In [20]:

```
print("My name is %s aged %s"% (a,age))
```

My name is Hari Reddy aged 21

In [21]:

```
print("My name is {0} aged {1}".format(a,age))
```

My name is Hari Reddy aged 21

In [22]:

```
print(f"My name is {a} aged {age}")
```

My name is Hari Reddy aged 21

In [23]:

```
#Types of data types
```

In [24]:

```
b=69
```

In [25]:

```
type(b)
```

Out[25]:

int

In [28]:

```
c = 69.69
```

In [31]:

```
type(c)
```

Out[31]:

float

In [32]:

```
d='Letsupgrade'
```

In [33]:

```
type(d)
```

Out[33]:

str

In [34]:

```
e=True  
f=False
```

In [37]:

```
type(e)  
type(f)
```

Out[37]:

bool

In [38]:

```
items = list() # or []
```

In [48]:

```
type(items)
```

Out[48]:

list

In [40]:

```
items.append(89)
```

In [41]:

```
items.append('String')
```

In [42]:

```
items.append('[1.1,2,5]')
```

In [46]:

```
for i in items:  
    print(f'Value : {i} ---- Index : {items.index(i)}')
```

Value : 89 ---- Index : 0

Value : String ---- Index : 1

Value : [1.1,2,5] ---- Index : 2

In [47]:

```
elements= tuple() # or ()
```

In [49]:

```
type(elements)
```

Out[49]:

tuple

In [50]:

```
elements = (1,2,3,4,4,5)
```

In [51]:

```
for i in range(len(elements)):  
    print(f'Value : {elements[i]} --- Index : {i}' )
```

Value : 1 --- Index : 0

Value : 2 --- Index : 1

Value : 3 --- Index : 2

Value : 4 --- Index : 3

Value : 4 --- Index : 4

Value : 5 --- Index : 5

In [57]:

```
dictionary = dict() # JSON or {}
```

In [61]:

```
dictionary = { 'Name': 'Hari', 'Age':21, 'Place':'Bangalore', 'DOB(year)':2000}
```

In [62]:

```
dictionary['Age']
```

Out[62]:

21

In [66]:

```
sets= {1,2,3,4,5,6}
```

In [67]:

```
type(sets)
```

Out[67]:

set

In [70]:

```
sets.add(34)  
sets.add(3)
```

In [72]:

```
sets # no duplicate
```

Out[72]:

{1, 2, 3, 4, 5, 6, 34}