Assignment 4

In [1]:

```
1  ##First function     print the 7 types of datatypes
```

In [65]:

```
1  a = [21,"HARI",True,[1,2,3,4],69.69,{5,6,7},{'Course': 'Letsupgrade'}]
```

In [67]:

```
1  def datatype(a,b,c,d,e,f,g):
2      return a,b,c,d,e,f,g
3  for i in a:
4      print (type(i))
5
6
7  datatype(type(21),type('HARI'),type(True),type([1,2,3,4]),type(69.69),type({5,6,7}),typ
```

```
<class 'int'>
<class 'str'>
<class 'bool'>
<class 'list'>
<class 'float'>
<class 'set'>
<class 'dict'>
```

Out[67]:

```
(int, str, bool, list, float, set, dict)
```

In [68]:

```
1  ##Second function   print a list with keys and values
```

In [91]:

```
1  list = [
2      {"name":"Hari","age":21,"gender":"male"},
3      {"name":"krishna","age":64,"gender":"male"},
4      {"name":"mona","age":52,"gender":"female"},
5      {"name":"bhavya","age":28,"gender":"female"}
6  ]
```

In [95]:

```
1  def value(name,age,gender):
2      return f"Name :{name}------ Age :{age}------ Gender :{gender}"
3  [value(**i) for i in list]
```

Out[95]:

```
['Name :Hari------ Age :21------ Gender :male',
 'Name :krishna------ Age :64------ Gender :male',
 'Name :mona------ Age :52------ Gender :female',
 'Name :bhavya------ Age :28------ Gender :female']
```

In [100]:

```
1  ##Third function   return 2 numbers in list format
```

In [104]:

```
1  def num(a,b):
2      return f"[{a},{b}]"
3  num(56,44)
```

Out[104]:

```
'[56,44]'
```