In [48]:

```
x=5
y=10
x=x^y
y=x^y
x=x^y
print('the value of x after swaping {}'.format(x))
print('the value of y after swaping {}'.format(y))
```

```
the value of x after swaping 10
the value of y after swaping 5
```

In [54]:

```
import random
print(random.randint(5,10))
```

```
9
```

In [56]:

```
kilometers=float(input('enter the kilometers: '))
conv_fac=0.621371
miles=kilometers*conv_fac
print('%0.2f kilometers is equal to %0.2f miles'%(kilometers,miles))
```

```
enter the kilometers: 3.5
3.50 kilometers is equal to 2.17 miles
```

In [58]:

```
celsius=37.5
farenheit=celsius*1.8+32
print('%0.1f is %0.1f'%(celsius,farenheit))
```

```
37.5 is 99.5
```

In [4]:

```
x=[1,2,3]
y=["a",2,3,6]
print(x)
```

```
[1, 2, 3]
```

In [5]:

```
print(y)
```

```
['a', 2, 3, 6]
```

In [7]:

```
print(Y[0])
```

```
a
```

In [8]:

```
y=["aaa","bbb","ccc"]
y.append("ddd")
print(y)
```

```
['aaa', 'bbb', 'ccc', 'ddd']
```

In [9]:

```
z=["eee","fff","ggg"]
x=y+z
print(x)
```

```
['aaa', 'bbb', 'ccc', 'ddd', 'eee', 'fff', 'ggg']
```

In [13]:

```
print(len (x))
```

```
7
```

In [15]:

```
print(x[1:4])
```

```
['bbb', 'ccc', 'ddd']
```

In [18]:

```
s=["a","b","c"]
for i in s:
    print(i)
```

```
a
b
c
```

In [22]:

```
for i in s:
    x=i+"_"
    print(x)
    print("outside")
```

```
a_
outside
b_
outside
c_
outside
```

In [23]:

```
start=0
stop=5
step=1
for i in range(start,stop,step):
    print(i)
```

```
0
1
2
3
4
```

In [30]:

```
x=input("enter a no")
y=input("entre a no")
if x<y:
    print("x is small")
else:
    print("x is big")
```

```
enter a no100
entre a no10
x is big
```

In [39]:

```
y={"name":"rohith","phone":9164499580,"address":"bengaluru"}
print(y["name"])
print(y["phone"])
```

```
rohith
9164499580
```

In [45]:

```
x["company"]= "death"
print("company" in x)
print("mobile" in x)
```

```
True
False
```

In [51]:

```
for key in y.keys():
    print(key,":",y[key])
```

```
name : rohith
phone : 9164499580
address : bengaluru
```

In [53]:

```
record=("aaa",9999999999,"bbbb")
print(record[1])
```

```
9999999999
```

In [57]:

```
def dummy_function():
    name="aaa"
    number=9999999999
    city="bengaluru"
    return(name,number,city)
fn_ret_vals=dummy_function()
name,phone,city=fn_ret_vals
print(phone)
print(city)
```

```
9999999999
bengaluru
```

In [63]:

```
def complexMathFn(x,y):
    z=x**2 + y - 10
    return z
res1=complexMathFn(2,3)
print(res1)
```

```
-3
```