```
p=int(input("enter the first valu :"))
q=int(input("enter the second value:"))
print("the value bofore awappind are",p,q)
temp=p
q=temp
print("the value after swapping are",p,q)
```

```
o\p
enter the first valu :48
enter the second value:52
the value bofore awappind are 48 52
the value after swapping are 48 48
```

```
s=59
t=16
print("the value before swapping:",s,t)
s,t=s,t
print("the value after swapping:",s,t)
```

```
o\p
the value before swapping are 59 16
the value after swapping: 59 16
method 3
x=45
y=25
print ("the value before swapping are ",x,y)
```

```
x=x+y
y=x-y
x=x-y
print ("the value after swapping are ",x,y)
```

```
o\p
the value before swapping are  45 25
the value after swapping are  25 45
```

```
method 4
j=58
k=46
print ("the value before swapping are",j,k)
j=j^k
k=j^k
j=j^k
print ("the value after swapping are ",j,k)
```

```
o\p
the value before swapping are  45 25
the value after swapping are  25 45
values of n numbers (method 1)
the value before swapping are 58 46
the value after swapping are  46 58
```

```
s=int(input("enter a the value in the list:"))
list=[]
for i in range(0,s):
   element =int(input("enter the value:"))
   list.append (element)
print ("circulating the list")
```

```
for i in range(0,s):
    element_deleted=list.pop(0)
    list.append(element_deleted)
    print("the circulatedlist after",i+1,"rotation",list) enter a the value in the list:8
enter the value:5
enter the value:9
enter the value:2
enter the value:1
enter the value:7
enter the value:0
enter the value:3
enter the value:2
circulating the list
the circulatedlist after 1 rotation [9, 2, 1, 7, 0, 3, 2, 5]
the circulatedlist after 2 rotation [2, 1, 7, 0, 3, 2, 5, 9]
the circulatedlist after 3 rotation [1, 7, 0, 3, 2, 5, 9, 2]
the circulatedlist after 4 rotation [7, 0, 3, 2, 5, 9, 2, 1]
the circulatedlist after 5 rotation [0, 3, 2, 5, 9, 2, 1, 7]
the circulatedlist after 6 rotation [3, 2, 5, 9, 2, 1, 7, 0]
the circulatedlist after 7 rotation [2, 5, 9, 2, 1, 7, 0, 3]
the circulatedlist after 8 rotation [5, 9, 2, 1, 7, 0, 3, 2]
the value of n mumbers mtd 2
def circulate (c,n):
    for i in range (1,n+1):
        d=c[i:]+c[:i]
        print("circulate","=",d)
    return
c=[178,289,324,448,570,698,188,842,956,106]
n=int(input("enter n:"))
```

circulate (c,n)

o\p

enter n:6

circulate = [289, 324, 448, 570, 698, 188, 842, 956, 106, 178]

circulate = [324, 448, 570, 698, 188, 842, 956, 106, 178, 289]

circulate = [448, 570, 698, 188, 842, 956, 106, 178, 289, 324]

circulate = [570, 698, 188, 842, 956, 106, 178, 289, 324, 448]

circulate = [698, 188, 842, 956, 106, 178, 289, 324, 448, 570]

circulate = [188, 842, 956, 106, 178, 289, 324, 448, 570, 698]

```
x1=int(input("enter the value of x1:"))
x2=int(input("enter the value of x2:"))
y1=int(input("enter the value of y1:"))
y2=int(input("enter the value of y2:"))
D1=(x2-x1)**2
D2=(y2-y1)**2
result=(D1+D2)**0.5
print("distance between",(x1,x2),"and",(y1,y2),"is:",result)
```

o\p

enter the value of x1:2

enter the value of x2:6

enter the value of y1:4

enter the value of y2:7

distance between (2, 6) and (4, 7) is: 5.0

>>>