In [129]:

```
user="harshachekuri2021@gmail.com"
pwd=8008378783
username="harshachekuri2021@gmail.com"
password=8008378783
#take by input
if user==username:
    if pwd==password:
        print ("login successs")
else:
    print ("failed to login")
```

```
login successs
```

list

In [7]:

```
#list
print(dir(list))
```

```
['__add__', '__class__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc_
_', '__eq__', '__format__', '__ge__', '__getattribute__', '__getitem__', '__gt__', '__has
h__', '__iadd__', '__imul__', '__init__', '__init_subclass__', '__iter__', '__le__', '__l
en__', '__lt__', '__mul__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__
', '__reversed__', '__rmul__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__
subclasshook__', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop',
'remove', 'reverse', 'sort']
```

In [8]:

```
#append (adding  an element to list)
l=[1,2,3,4,5]
print (type(l))
```

```
<class 'list'>
```

In [15]:

```
l=[1,2,3,4,5]
l.append(6)
print(l)
```

```
[1, 2, 3, 4, 5, 6]
```

In [17]:

```
l=[1,2,3,4,5]
l.append([6,7])
print(l)
```

```
[1, 2, 3, 4, 5, [6, 7]]
```

In [26]:

```
l=[1,2,3,4,5]
l.extend([7,9])
print (l)
print (l[-1])#or if append l[5]
print (l[6])
```

```
[1, 2, 3, 4, 5, 7, 9]
9
9
```

In [27]:

```
l=[1,2,3,4,5,6,7,]
l.append([8,9])
print (l[-1])
print (l[7])
# if l[8] gives error
print (l[-1][0])
print (l[7][1])
```

```
[8, 9]
[8, 9]
8
9
```

In [32]:

```
l=[0,1,2,3,4,5,6,7]
l.append([8,9])
print (l)
print (l[:])
print (l[:5])
print (l[5:])
```

```
[0, 1, 2, 3, 4, 5, 6, 7, [8, 9]]
[0, 1, 2, 3, 4, 5, 6, 7, [8, 9]]
[0, 1, 2, 3, 4]
[5, 6, 7, [8, 9]]
```

In [35]:

```
l=[2,4,6,8,10]
#to know index possition
x=l.index(6)
print (x)
```

```
2
```

In [39]:

```
l=[2,4,6,8,10]
#(index position , element)
l.insert(2,5)
print (l)
```

```
[2, 4, 5, 6, 8, 10]
```

In [45]:

```
#pop=to delete element
l=[1,2,3,4,5]
l.pop()#by default deletes last element
print (l)
```

```
[1, 2, 3, 4]
```

In [49]:

```
#pop=delete by index
l=[1,3,4,5,6]
l.pop(3)
print (l)
```

```
[1, 3, 4, 6]
```

In [50]:

```
#remove=delete by element
l=[1,2,3,4,5]
l.remove(2)#not indexxxxx
print (l)
```

```
[1, 3, 4, 5]
```

In [56]:

```
l=[1,2,3,4,5]
print (l.pop())
print (l)
print (l.pop(0))
print (l)
print (l.remove(3))
print (l)
```

```
5
[1, 2, 3, 4]
1
[2, 3, 4]
None
[2, 4]
```

In [59]:

```
l=[1,9,2,8,3,7,4,6,5]
l.reverse()
print (l)
```

```
[5, 6, 4, 7, 3, 8, 2, 9, 1]
```

In [66]:

```
l=[1,9,2,8,3,7,4,6,5]
(l.sort())
print (l)
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9]
```

In [75]:

```
#l=[1,3,4,56,7,87]
#(l.sort(reverse= true))
#print (l)
```

In [72]:

```
#count
l=[1,23,3,3,25,5,5,4]
print (l.count(3))
```

```
2
```

In [81]:

```
#copy
L1=[1,3,5,7,9]
L2=L1
print (L2)
L3=L2#L2 = L3 GIVES ERROR
print (L3)
```

```
[1, 3, 5, 7, 9]
[1, 3, 5, 7, 9]
```

In [84]:

```
#clear
L=[1,2,3,4,5,6,7]
L.clear()
print (L)
```

```
[]
```

In [86]:

```
#clear
```

```
l=[1,2,3,4,5,67]
l.clear()# if given 4 or 5....ERROR
print (l)
```

```
[]
```

In [93]:

```
#for
for i in range (0,11):
    print (i)
```

```
0
1
2
3
4
5
6
7
8
9
10
```

In [98]:

```
for i in range (0,10):
    print (i,end=" ")
```

```
0 1 2 3 4 5 6 7 8 9
```

In [106]:

```
#o/p=[1,2,3,4,5,6,7,8,9,10]
l=[]
for i in range (0,11):
    l.append(i)
print (l)
```

```
[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

In [110]:

```
#[2,4,6,.....,50]question is to print o/p
#for i in range (2,51,2):
#   print (i,end=" ")
l=[]
for i in  range (2,51,2):
    l.append(i)
print (l)
```

```
[2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 4
8, 50]
```

In [113]:

```
l=[]
for i in range (1,51):
    if i%2==0:
        l.append(i)
print (l)
```

```
[2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 4
8, 50]
```

In [119]:

```
#ASCII
print (ord("A"))
print (ord("Z"))
print (chr(65))
print (chr(90))
```

```
65
90
A
Z
```

In [124]:

```
# print using ascii
l=[]
for i in range(ord("A"),ord("Z")+1):
    l.append(i)
print (l)
```

```
[65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 8
7, 88, 89, 90]
```

In [128]:

```
#print following
for i in range (ord("A"),ord('Z')):
    if i%2==0:
        print(i,"--->",chr(i))
```

```
66 ---> B
68 ---> D
70 ---> F
72 ---> H
74 ---> J
76 ---> L
78 ---> N
80 ---> P
82 ---> R
84 ---> T
86 ---> V
88 ---> X
```

tupple

In [131]:

```
#tupple
a=()
print (type(a))
```

```
<class 'tuple'>
```

In [133]:

```
a1=(1,2,3,4)
a2=(5,6,7,8)
print (a1+a2)
```

```
(1, 2, 3, 4, 5, 6, 7, 8)
```

In [136]:

```
#a=()
#print(dir(tupple))
```

In [140]:

```
t=(1,2)
print (t)
t1=list(t)
print (type (t))
```

```
(1, 2)
<class 'tuple'>
```

In [144]:

```
a=input ().split()#GIVES STRING FORMAT
print(a)
```

```
1 2 3 4 5
['1', '2', '3', '4', '5']
```

In [148]:

```
t=(1,2,3,4,5)
print (max(t))
print (min(t))
```

```
5
1
```

In [168]:

```
#asssignment
#(2,9,8,5,6,7,8,9,10,2)
#create 1 tupple with 10 numbers
#print list of squares of elements in the tupple
#convert list to tupple
#find the maximam element index pissition
#find the count of min value
t=(2,9,8,5,6,7,8,9,10,2)
m=[]
for i in t :
    m.append(i*i)
m=tuple(t)
print (m)
print (m.index(max(m)))
print (m.count(min(m)))
```

```
(2, 9, 8, 5, 6, 7, 8, 9, 10, 2)
8
2
```

In [ ]:

```

```