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Batch:-3COE11

Roll no:-101903272

Assignment-1

In [1]:

```
#q1
l=[1,2,3,4,5,6,7]
n=int(input("1 for inserting \n2 for deleting\n "))
if n==1:
    x=int(input("enter the value to be inserted \n"))
    l.append(x)
elif n==2:
    y=input("press a for deleting by value \npress b for deleting by using position \npress c for deleting using list\n")
    if y=='a':
        z=int(input("enter the value to be deleted \n"))
        l.remove(z)
        print("list becomes \n")
        print(l)
    elif y=='b':
        p=int(input("enter the index to be deleted \n"))
        l.pop(p)
        print("list becomes \n")
        print(l)
    elif y=='c':
        q=int(input("enter the starting index for slicing \n"))
        r=int(input("enter the ending index to slice \n"))
        l=l[q:r]
        print("list becomes \n")
        print(l)
    else:
        print("enter valid alphabet")
else:
    print("wrong no entered")
```

```
1 for inserting
2 for delteing
1
enter the value to be inserted
8
```

In [2]:

#q2

```
list1=[1,2,3,4,5]

n=eval(input("enter the element to be inserted\n"))
if type(n)==type(1):
    list1.append(n)
elif type(n)==type([]):
    list1.extend(n)

print(list1)
```

```
enter the element to be inserted
[1,2,3]
[1, 2, 3, 4, 5, 1, 2, 3]
```

In [13]:

#q3

```
tu=eval(input())
l1=tu[::-3]
l2=tu[2:9:2]
print(l1)
print(l2)
```

```
(1,2,3,4,5,6,7,8,9,10)
```

```
(10, 7, 4, 1)
(3, 5, 7, 9)
```

In [3]:

```
#q4

n=int(input("Enter no of emails to be entered : "))
user_name=[]
domain_name=[]
email_id=[]
name=()
domain=()
email=()
for i in range(n):
    s=input()
    email_id.append(s)

email=tuple(email_id)

for x in email_id:
    u,d=x.split("@")
    user_name.append(u)
    domain_name.append(d)

name=tuple(user_name)
domain=tuple(domain_name)

print(email)
print(name)
print(domain)

Enter no of emails to be entered : 2
ysingla_bel9@thapar.edu
yashminsingla49@gmail.com
('ysingla_bel9@thapar.edu', 'yashminsingla49@gmail.com')
('ysingla_bel9', 'yashminsingla49')
('thapar.edu', 'gmail.com')
```

In [4]:

```
#q5

n=int(input("enter no of players : "))
dict={}
```

```

for i in range(n):
    key,value=input().split(",")
    dict[key]=value

print(dict)

```

```

enter no of players : 2
Yashmin , 20
Harsimran ,30
{'Yashmin ': ' 20', 'Harsimran ': '30'}

```

In [7]:

```

#q6

dict={
0:'Zero',
1:'One',
2:'Two',
3:'Three'
}
s=input("enter the value : ")
for x,y in dict.items():
    if y==s:
        print(x)

```

```

enter the value : One
1

```

In [9]:

```

#q7

n=int(input("Enter the no of students: "))
dic={}
for i in range(0,n):
    a=int(input("Enter Roll No.: "))
    b=str(input("Enter Name :"))
    c=int(input("Enter Marks :"))
    d=[]
    d.append(b)
    d.append(c)
    dic[a]=d

```

```
print(dic)
for keys in dic:
    if dic[keys][1]>=75:
        print(dic[keys][0])
```

```
Enter the no of students: 4
Enter Roll No.: 101903272
Enter Name :Yashmin
Enter Marks :90
Enter Roll No.: 101903284
Enter Name :Ria
Enter Marks :96
Enter Roll No.: 101903286
Enter Name :Anjali
Enter Marks :90
Enter Roll No.: 101903288
Enter Name :Harsimran
Enter Marks :74
{101903272: ['Yashmin', 90], 101903284: ['Ria', 96], 101903286: ['Anjali', 90], 101903288: ['Harsimran', 74]}
Yashmin
Ria
Anjali
```

In [10]:

```
#q8

s=str(input("Enter the sentence :"))

dic={}
for i in s:
    if i not in dic.keys():
        dic[i]=1
    else:
        dic[i]=dic[i]+1
for key in dic:
    if(dic[key]>=1):
        print(key,":",dic[key])
```

```
Enter the sentence :Hi my name is Yashmin
H : 1
i : 3
: 4
m : 3
y : 1
```

```
n : 2
a : 2
e : 1
s : 2
Y : 1
h : 1
```

In [16]:

#q9

```
inp=input("Enter string : ")
l1=[]
vowels=['a','e','i','o','u','A','E','I','O','U',' ']
s=""
for i in inp:
    if i not in vowels:
        s+=i
    else:
        l1.append(s)
        s=""
l1.append(s)
l1.sort(key=len)
print(l1.pop())
```

Enter string : Yashmin Singla
ngl

In [12]:

#q10

```
d=0
u_c=0
a=0
s=0
l_c=0
st=str(input("enter a string"))
for i in st:
    if(i>= 'A' and i<='Z'):
        u_c+=1
        a+=1
    elif(i>='a' and i<='z'):
        l_c+=1
```

```
        a+=1
    elif(i>='0' and i<='9'):
        d+=1
    else:
        s+=1
print("Number Of Upper Case Letters:",u_c)
print("Number of Lower Case Letters:",l_c)
print("Number Of Alphabets:",a)
print("Number of Symbols",s)
print("Number of Digits",d)
```

```
enter a stringThaparUniversity
Number Of Upper Case Letters: 2
Number of Lower Case Letters: 14
Number Of Alphabets: 16
Number of Symbols 0
Number of Digits 0
```

In []: