

Q1



Listmethods.py

```
1 l=list(map(str,input("data1: ").split(",")))
2 ele=str(input("element: "))
3 l.append(ele)
4 print("after append:",l)
5
6
7 l2=list(map(str,input("data2: ").split(",")))
8 l.append(l2)
9 print("after append:",l)
10 l.extend(l2)
11 print("after extending:",l)
```

Q2



List12.py

```
1 l=list(map(str,input("data: ").split(",")))
2 l.reverse()
3 print("reverse:",l)
```

le.

Q3



List13.py

```
1 d=list(map(int,input("data: ").split(",")))
2 ele=int(input("element: "))
3 print("{0} occurs {1} times".format(ele,d.count(ele)))
```

mod.

Q4



List13.py

```
1 l=list(map(int,input("data: ").split(",")))
2 print("sum:",sum(l))
```

od

Q5

List15.py

```

1 s=list(map(int,input("data: ").split(",")))
2 print("list:",s)
3 n=int(input("num: "))
4
5 try:
6     ind=s.index(n)
7     if(s[ind+1]==n):
8         print(True)
9     else:
10        print(False)
11 except:
12    print(False)

```

e return

Q6

List16.py

```

1 d=list(map(int,input("data: ").split(",")))
2 s=list(map(int,input("seq of elements: ").split(",")))
3
4 st=set(d)
5 for i in s:
6     st.add(i)
7 if(len(st)==len(d)):
8     print("exist")
9 else:
10    print("does not exist")

```

ents are

Q7

List21.py

```

1 d=list(map(int,input("data: ").split(",")))
2 n=len(d)
3 new=[]
4 for i in range(0,n):
5     if(i%2!=0):
6         new.append(d[i])
7 print("odd index elements:",new)
8

```

he

Q8

ListAlpha.py

```
1 au=str(input("Please enter A in upper case: "))
2 al=str(input("Please enter A in lower case: "))
3
4 alpha=[]
5 i=ord(au)
6 j=ord(al)
7
8 for k in range(26):
9     alpha.append(chr(i))
10    alpha.append(chr(j))
11    i+=1
12    j+=1
13 print(alpha)
14
```

Q9

ListSorted.py

```
1 d=list(map(int,input("data: ").split(",")))
2 min=0
3 for i in d:
4     if(i>=min):
5         min=i
6     else:
7         print(False)
8         exit()
9 print(True)
10
11
12 # another appraoch
13
14 # sd=d[:]
15 # sd.sort()
16 # if(d==sd):
17 #     print(True)
18 # else:
19 #     print(False)
20
```

st is in

Q10

tring,

Charcount.py

```
1 l=str(input("Please enter a sentence: "))
2 l=l.lower()
3 i=ord('a')
4 seq=[]
5 for j in range(0,26):
6     ch=chr(i)
7     cnt=l.count(ch)
8     if(cnt!=0):
9         print("{0} \t {1}".format(ch,cnt))
10
11     i+=1
12
```

Q11

List9.py

```
1 s=int(input("size: "))
2 l=[]
3 for i in range(0,s):
4     ele=str(input("element: "))
5     l.append(ele)
6
7 print("list:",l)
```