

Q1

Listfuncs.py

```
1 d=list(map(int,input("data: ").split(",")))
2 print("length:",len(d))
3 print("list enumerate:",list(enumerate(d)))
4 print("max:",max(d))
5 print("min:",min(d))
6 print("list:",sorted(d))
```

Q2

List22.py

```
1 |
2 d=list(map(int,input("data: ").split(",")))
3 min=min(d)
4 max=max(d)
5 print("min:",min)
6 print("max:",max)
7 print("difference:",max-min)
```

Q3

List9.py

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

Q4

Listsumsqnum.py

```
1 d=list(map(int,input("data: ").split(",")))
2 print("list:",d)
3 print("sum:",sum(d))
4 j=0
5 for i in d:
6
7     d[j]=i**2
8     j+=1
9 print("squares:",d)
10 print("sum of squares:",sum(d))
```

Q5

DictUsingList.py

```

1 l1=list(map(str,input("data1: ").split(",")))
2 l2=list(map(str,input("data2: ").split(",")))
3
4 if(len(l1)==len(l2)):
5     # dic=dict(zip(l1,l2))
6     # print(dic)
7     print("{",end="")
8     for i in range(0,len(l1)):
9         print(l1[i],end="")
10        print(":",end="")
11        print(l2[i],end="")
12        if(i!=len(l1)-1):
13            print(",",end="")
14
15    print("}")
16 else:
17    print("lists are different lengths")

```

Q6

List10.py

```

1 l1=list(map(int,input("data1: ").split(",")))
2 l2=list(map(int,input("data2: ").split(",")))
3
4 len1=len(l1)
5 len2=len(l2)
6 l3=[]
7 if(len1==len2):
8     for i in range(0,len1):
9         l3.append(abs(l1[i]-l2[i]))
10    print(l3)
11 else:
12    print("lists are different lengths")

```