

Q1



- ☐ All elements in a list should be of same data type.
- ☐ Lists are immutable.
- ☒ Lists are ordered and can contain other lists as elements.
- ☐ Indexing can be used with lists to access individual items only if there are no nested lists.

ia" (string).

Q2



StringTest21.py

```
1 data = input("data: ")
2
3 # print type of input data here
4 print("type of data:",type(data))
5
6 list1 = data.split() # split() is used to convert a string into list
7
8 # print list1
9 print("list:",list1)
10
11 # print type of list1
12 print("type of list:",type(list1))
```

Q3



List2.py

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

the result

Q4

List1.py

```
1 list1 = ["Python", 100, "Lists", 8.8, 'A', "Program"]
2 # print the list1 items
3 print("List1 contains:",list1)
4
5 # print the type of list1
6 print("Type of list1:",type(list1))
7
```