Assignment - 13 List

1. Write a python script to store multiple items in a single variable (Items are “Java” ,“Python”, “SQL”, “C”) using list.

```
l1="java","python","sql","c"
l2=[]
for x in l1:
   l2.append(x)
print(l2)
```

2. Write a python script to get the data type of a list.

```
l2=[1,2,3]
print(type(l2))
```

3. Write a python script to get the last item of the list (mylist = ["Java", "C", "Python"])

```
mylist = ["Java", "C", "Python"]
print(mylist[-1])
```

4. Write a python script to Change the values "SQL" and "Reactnative" with the values "NoSQL" and "Flutter" (List is thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]

```
thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]
print(thislist,"\n")
thislist[1]="nosql"
thislist[3]="flutter"
print("after edit the value in list   ", thislist)
```

5. Write a python script to add an item to the end of the list (item “Python”. (mylist = ["Java", "SQL", "C", "Reactna tive"]

```
mylist = ["Java", "SQL", "C", "Reactnative"]
print(mylist,"\n")
mylist.append('python')
print(mylist)
```

6. Write a python program to append elements from another list to the current list.(
firstlist = ["Java", "Python", "SQL"]
secondlist = ["C", "Cpp", "NoSQL"])

```
firstlist = ["Java", "Python", "SQL"]
secondlist = ["C", "Cpp", "NoSQL"]
for x in firstlist:
   secondlist.append(x)
print(secondlist)
```

7. Write a python program to Print all items by referring to their index number (thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]

```
thislist=["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]
i=0
l2=[]
while i<=5:
    l2.append(thislist[i])
    i+=1
print(l2,"\n")
```

8. Write a python program to sort the list alphanumerically – thislist = ["Java", "SQL", "C", "Reactjs", "Javascript", "Python"]

```
thislist = ["Java", "SQL","C", "Reactjs", "Javascript", "Python"]
thislist.sort()
print(thislist)
```

9. Write a Python script to create a list of city names taken from the user.

```
n=int(input("enter the length of list " ))
l2=[]
for x in range(n):
    l1=str(input())
    l2.append(l1)
print(l2)
```

10. Write a Python script to create a list, where each element of the list is a digit of a given number.

```
from tkinter.font import names
l1=(input("enter the number  "))
l2=[]
for x in l1:
    l2.append(x)
print(l2)
```