**Full Stack Web Development using Python**

**Assignment 13 : List**

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

**Program :**

l1=["Java","Python","SQL","C"]

print(l1)

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

**Program :**

l1=["Java","Python","SQL","C"]

print(type(l1))

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

**Program :**

mylist = ["Java", "C", "Python"]

print(mylist[len(mylist)-1])

1. 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"]

**Program :**

list = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]

print("Before Changing :",list)

list[1]="NoSQL"

list[3]="Flutter"

print("After Changing :",list)

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

**Program :**

mylist = ["Java", "SQL", "C", "Reactnative"]

print("Current List :",mylist)

mylist.append("Python")

print("New List :",mylist)

1. Write a python program to append elements from another list to the current list.

( firstlist = ["Java", "Python", "SQL"]

secondlist = ["C", "Cpp", "NoSQL"] )

**Program :**

firstlist = ["Java", "Python", "SQL"]

secondlist = ["C", "Cpp", "NoSQL"]

firstlist+=secondlist

print(firstlist)

print(secondlist)

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

**Program :**

l1 = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]

i=0

while i<len(l1):

print("Index :",i," Item :",l1[i])

i+=1

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

**Program :**

thislist = ["Java", "SQL", "C", "Reactjs", "Javascript", "Python"]

print("Current list :",thislist)

thislist=sorted(thislist)

print("Sort list :",thislist)

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

**Program :**

print("Enter city names separated by comma:")

list=[str(e) for e in input().split(',')]

print(list)

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

**Program :**

l1=list(input("Enter a number :"))

print(l1)