**Assignment**

1. Write a python program to accept n different numbers from user & print following data
2. sum of even numbers from n different nos
3. sum of odd numbers from n different nos
4. sum of numbers which are divisible by 3 from n different numbers
5. sum of numbers which are divisible by 5 and 7 both
6. count how many are even numbers
7. count how many are odd numbers
8. count how many are positive numbers
9. count how many are negative numbers
10. count how many are zeros
11. write a python program to print sum of factorial series 1! + 2! +3!......... 10!
12. Write a python program to accept a number from user & print square of that number condition to that user has entered positive number, give three chances to the user if user has entered negative number, on 4th chance break the loop.
13. Write a python to create ATM transaction, provide access of transaction till user wish, give menu for b for balance check, w for withdraw, d for deposit, In all cases print final updated balance amount, Accept initial balance amount from user.

**Assignment on List**

1. How to create list
2. How to create empty list
3. Indexing of List elements in forward way from left to right
4. Indexing of List elements in reverse way from right to left
5. What is default traversing direction of List? Can we traverse list from right to left
6. How to access or display First element of List
7. How to access or display Last element of List if List consist of 9 elements, Answer by two ways
8. How to Nested list elements are accessed with two elements in a list , first element is nested list of 3 elements
9. How to display third last element with negative indexing
10. Slice list to display 3rd,4th and 5th element from List
11. Display List elements from start to 6th
12. Display elements from 2nd element to end
13. Display all elements of the list from beginning to end by using :
14. Create List as odd = [2, 4, 6, 8], replace first element as 1
15. Replace element 2nd to 4th with [3,5,7]
16. Display total number of elements in odd list
17. Display occurance of 3 in odd list
18. Display sum of all elements of odd list
19. Display maximum element from List
20. Display minimum element from List
21. Delete 3rd element from List by specifying index number
22. Delete 3rd element whose value is 40 by specifying value
23. Delete elements from 3rd to 6th from the list
24. Pop element from List
25. Pop 5th element from List
26. Sort list and do not update original one
27. Sort list by updating original one
28. Sort list in a reverse order
29. Display sum of all elements of odd list
30. Clear whole list
31. Create list a=[1,2,3] b=[4,5,6] and concentrate both & display new list
32. Repeat list a 5 times and store in d
33. Repeat only first two elements of List a 6 times and store in new
34. Check 30 is available in list a
35. Check 2 is not available in list a
36. Append 6 element in list a
37. Append any decimal number to a list
38. Create a temp list of 5 elements and extend a list by adding temp list
39. Display index number of any specified element
40. Copy list a to newlist
41. Using for loop to traverse through list newlist and print all elements of the List on a single line separated by comma
42. Within a for loop only assign list and traverse and display each element of list on separated line
43. Create a list of natural numbers from 1 to 50 by using inbuilt function
44. Create List of even numbers from 2 to 40 by using inbuit function
45. Create list of numbers in descecending order with specified interval
46. **Creating a list from negative integers to positive integers of a number (Hint -5 to 5)**
47. **Creating a list with equally spaced numbers**
48. Print datatype of newlist
49. Insert 5th element in newlist as 90
50. Write difference between del,pop & remove
51. Write difference between sorted and sort
52. Write difference between sort and reverse

**for i in range(len(numbers)):**

**numbers[i] = numbers[i] \* 2**