**Assignment 2:Logical Operator and Loops**

Q1.Write a Program to accept a character from user and check if it is in uppercase or lower case and convert it to uppercase and lowercase appropriately.

Q2.Write a Program to find maximum of 3 numbers using logical operators.

Q3. Display addition of 1 to 10 numbers.

Q4. Display addition of 1 to 10 even and odd numbers.

Q5. Write a Program to accept a number from user and find its individual digits sum.

Example if input is 123 output->1+2+3=6

Q6.Write a Program to check entered number is palindrome or not.

Q7.Enter a number from user and display it factorial.

Q8.Enter three digit number from user and check if it Armstrong or not.

Example input is 153

Output->1\*1\*1\*+5\*5\*5+3\*3\*3=153

Q9.Accept an integer from user and find its table.

For example if number is 3 : 3\*1=3

3\*2=6

3\*3=9

…..

3\*10=30

Q10. Write a program to add only those numbers which are divisible by 5 in the range 1 to 30.

Q11.Write a Program to check entered number is prime or not.

**Nested Loops**

Q1. Display Multiplication tables from 1 to 10.

Q2. Display 1 to n prime numbers.

Q3.Display 1 to 1000 Armstrong numbers.

Q4. Display first n Prime numbers where n is taken from user.

Q5.Display below Patterns





