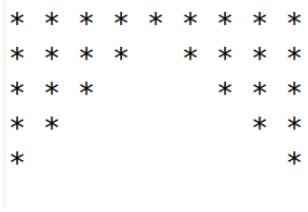
B.Sc(IT) 1st Semester
ProblemSheet-2(105)

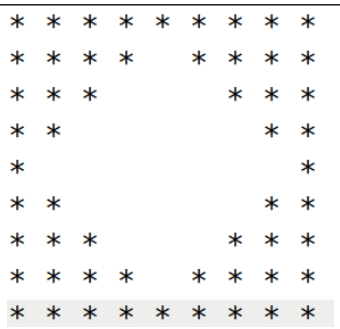
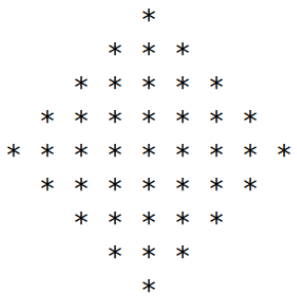
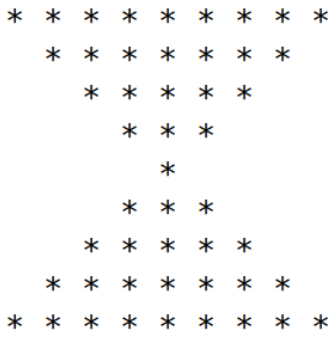
1) Write a C Program to check whether a given number is prime or not.
2) Write a C program to print factorial of a positive integer N.
3) Write a C program to perform division without using division operator.
4) Write a C program to print factors of a given positive integer.
5)Write a C program to check whether a given number is Armstrong number or not
6) Write a C program to Count Number of digits in an Integer
7) Write a C program to validate date entered by user.
For e.g day=31 month=1 year=2000 --> valid date
day=29 month=2 year=2001 --> Invalid
day=32 month=4 year=1990 --> valid date

8) Write a C program to add number of days entered by user in to date entered by user.
e.g if user enters day=31 month=1 year=2000 as current date and no. Of days to add=4 then new date will be 4th February 2000.

9) Write a C Program to read an integer and display its multiplication table.
10) Write a C program to print all prime numbers up to N.
11) Write a C Program to print all Armstrong numbers upto N.
12) Write a C program to print all upper case alphabets.
13) Write a C program to print sum of all odd numbers up to N.
14) Write a C program to print sum of all odd digits present in the number.
For e.g N= 12583
sum= 1+5+3=9

15)Write a C program to print Fibonacci series upto N.
16) Write a C program to print following pattern for number N.if N=5

1		2	

3		4	
3		4	
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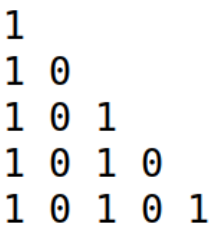
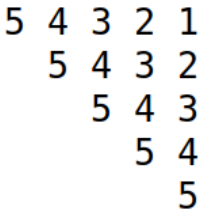
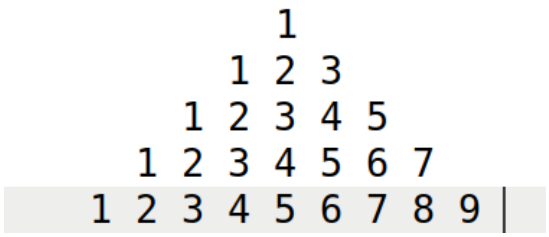
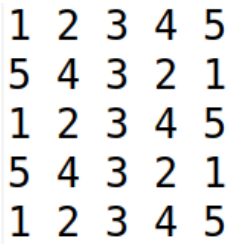
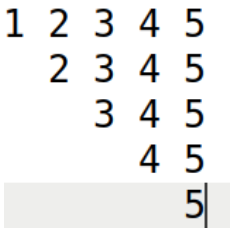
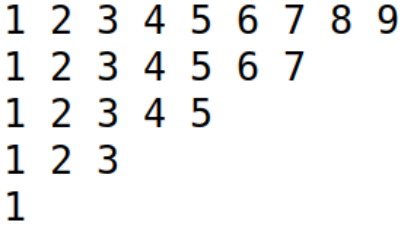
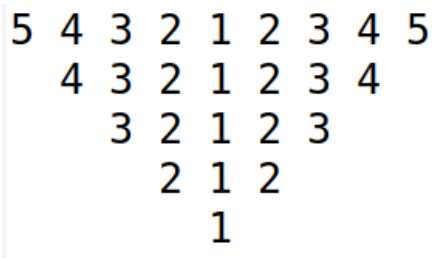
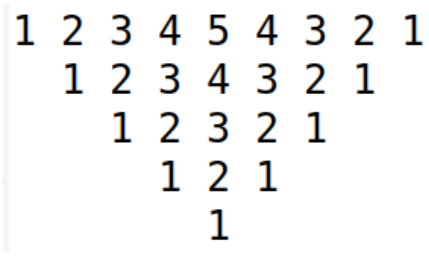
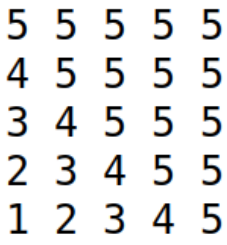
7		8	

9		10	
11		12	
13		14	
15		16