Assignment 3

1. Write a C program to input angles of a triangle and check whether triangle is valid or not.
2. Write a C program to input the sides of a triangle and check whether triangle is valid or not.
3. Write a C program to print all numbers within a given range which are divisible by 5 but not by 15.
4. Write a C program to calculate the factorial of a number.
5. Write a C program to check whether a number is a prime number or not.
6. Write a C program to display the sum of the series: 1 + 2 + 3 + ... + n.
7. Write a C program to display the sum of the series: 1- 2 + 3 - 4 +....n.
8. Write a C program to display the sum of the series: $1^2 + 2^2 + 3^2 + ... + n^2$
9. Write a C program to display the sum of the series: 1! + 2! + 3! +…..+ n!
10. Write a C program to count the number of digits of a number.
11. Write a C program to display the sum of digits of a number.
12. Write a C program to display the product of digits of a number.
13. Write a C program to reverse a number.
14. Write a C program to print the difference between a number and its reverse.
15. Write a C program to check whether a number is a palindrome number or not.
16. Write a C program to check whether a number is Armstrong number or not.
17. Write a C program to check whether a number is Krishnamurty number or not.