Lab Exercise 5

1. Write a program to accept two numbers perform addition, subtraction, multiplication, division between them using user defined function called add( ), sub( ), div( ) and mul( ).
2. Write a program to find out the largest among three numbers using user defined function.
3. Write a function which receives a float and int from main(), finds the product of these two and returns the product which is printed through main.
4. Write a program to check whether the given number is prime or not using user defined function.
5. Write a program to find factorial of a given number using user defined function named long int factorial(int,int).

6. Write a program to calculate a raised to power b using user defined function with following prototype int power(int,int).
7. Write a program to display factorial of a given number using recursive function.
8. Write a program to calculate sum of the series 1+2+3+4+……+n using recursive function.
9. Write a program to calculate Fibonacci series using recursive function.
10. Write a program to calculate a raised to the power b using recursive function.
11. Write a recursive function to determine the factorial of a given number, write a program to calculate the value of the following finite series.

    Sum=$1+(x/1!)+(x^2/2!)+(x^3/3!)+$……up to n terms.
12. Write a program to find the sum of first twenty natural numbers using function.
13. Write a program to generate the Fibonacci series using recursive function