Basic Programing Assignment

1. Program to arrange three numbers in descending order

2. Program to arrange four numbers in ascending and descending order

3. Calculate the sum of the series 1-3+5-7+.............+n

4. Calculate the sum of the series $1^3+2^3+3^3+^3+8^3+$....................+n^3

5. Calculate the sum of the series $1^1-3^2+5^3-$.................+n^n

6. Calculate the sum of the series 1/1! +2/2!+3/3!+.............+n!

7. Calculate the sum of the series 1/1!+2/4! +3/9!+............

8. Calculate the sum of the series $1/(1^1+1!)+2/(4^2+2!) +3/(9^3+3!)$+............

9. Write aprogram to print the following patterns

    1

    1   2

    1   2   3

    1   2   3   4

10.   1

    2   3

    4   5   6

    7   8   9 10

11. Program to count the frequency of an element of an array.

12. Program to sort an array in ascending and descending order.

13. Program to count the occurrence of all numbers in an array eg {1,2,1,3,4,1}

14. Program to find the numbers that add up to a sum of 8 in an array.

15. Find the duplicates and remove it from the array .eg Input:{1,2,1,3,3,5,6,7} Output{1,2,3,5,6,7}

16. Program to count the occurrence of the given character in a string and replace it with a newcharacter?

17. Program to count the number of words in a given string sentence.

18. Program to print the Fibonacci series 0 1 1 2 3 5 8 .... n

19. Program to enter two dates and print the difference between the two.

20. Program to enter the details of a product with validity date and expiry date. Ask the user to input the purchase date and if the date entered is more than validity date print cannot buy else print purchased.