DEPARTMENT OF COMPUTER APPLICATIONS
20MCA131 PROGRAMMING LAB

LAB CYCLE 1.2

1. Write a program to find the greatest number from three numbers.

2. Write a program to determine whether the character entered is a vowel or not.

3. Write a program to find the factorial of a number.

4. Write a program to generate Fibonacci series of N terms.

5. Write a program to find the sum of all items in a list.

6. Display the given pyramid with the step number accepted from the user.

    Eg: N=4

    1

    2 4

    3 6 9

    4 8 12 16

7. Write a program to generate all factors of a number. [use while loop]

8. Write a program to find gcd of 2 numbers. [use while loop]

9. Write a program to print the reverse of a number. [use while loop]

10. Write a program to find whether the given number is an Amstrong number or not. [use while loop]

11. Write a program using a for loop to calculate the average of first n natural numbers.

12. Write a program using a for loop to print the multiplication table of n, where n is entered by the user.

13. Write a program to sum the series - $\frac{1}{2} + \frac{2}{3} + \ldots + n/(n+1)$.

14. Construct following pattern using nested loop

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* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
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