

**F.Y.B.C.A. (Sem I)****104- Computer Programming & Programming Methodology****Journal Program**

1. Write a program to take input of name, rollno and marks obtained by a student in 4 subjects of 100 marks each and display the name, rollno with percentage score secured.
2. Write a program to find GCD (greatest common divisor or HCF) and LCM (least common multiple) of two numbers.
3. Write a Program to Check Whether a Number is Prime or not.  
Input: n=7  
Output: 7 is Prime No.
4. Write a program to check whether the entered year is leap year or not (a year is leap if it is divisible by 4 and divisible by 100 or 400.)
5. Write a program to find the factorial of a number.
6. Write a program to check number is Armstrong or not.  
Hint:  $153=1^3+5^3+3^3$
7. Write a program to take the value from user as input any character and check whether it is the alphabet, digit or special character. Using the switch statement.
8. Write a program to display Characters from A to Z using Loop.
9. Write a program to generate following Fibonacci series:  
Input n=5  
Output: 0, 1, 1,2,3,5
10. Write a program to reverse a number.  
Input n = 1345  
Output = 5431
11. Write a program that will display large & small number from 1-D array.
12. Write a program that will search an element in 1- D array & if it is found than displaythe position of it in the array.
13. Write a program that will merge two 1-D arrays into single & display the resultantarray in ascending order.

14. Write a program that will check whether inputted string is palindrome or not. For example, Input: str="madam" Output: string is palindrome.

15. Write a program to print Inverted half Pyramid of \* Pattern.

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16. Write a program to print full Pyramid of \* Pattern.

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    *****
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  *
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17. Write a program to print Floyd's Triangle.

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1
23
456
78910
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**Note :-**

- (1) Journal Submission Date: - **18/11/2022.**
- (2) You are requested to write all the programs in the Project paper.
- (3) Index is compulsory in the given format only.
- (4) Refer Attached format for writing program.

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