

LAB ASSIGNMENT-4/5

Submission Date: 15-09-21

Implement Below questions using functions(Questions from Day4)

Q1. Write a C program to find out sum & average of n numbers.

Q2. Write a C program to calculate the factorial of given number

Q3. Implement a C program to check given number is prime or not.

(eg. 1, 2, 3, 5, 7, 11, 13, 17 ...)

Q4. Implement a C program to print Fibonacci series (0, 1, 1, 2, 3, 5, 8, 13, 21, 34)

Q5. Implement a C program to check given no. is armstrong or not

(eg 153 is armstrong number ($153=1^3+5^3+3^3$))

Q6. Implement a C program to check given no. is perfect no. or not

(eg 6, 28, 496, 8128 (perfect no is equal to half the sum of all its positive divisors for 6 it is $(1+2+3+6) / 2$ is 6)

Q7. Print pattern.

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Q8. Print question 7 for n number of lines(Take n from user)