CS23C04 PROGRAMMING IN C - 'P' Batch

Date : 17.09.2026

1. Write a C program to count the number of digits in an integer.
2. Write a C program to reverse a given number.
3. Write a C program to read N and print all prime numbers between 1 and N.
4. Write a C program to read an integer N and print all Strong numbers between 1 and N.

   A Strong number is a number whose sum of the factorials of its digits is equal to the number itself. For example: 145=1!+4!+5!=1+24+120=145

5. Write a C program to read N integers into an array and display all the elements.
6. Write a C program to read N integers into an array and find the largest element.
7. Write a C program to read N integers into an array and search for a given element.

Spot Questions:

1. Write a menu-driven C program using switch and loop to perform:

   - Add products
   - Enter quantity
   - Calculate subtotal
   - Apply discount
   - Calculate GST
   - Display final bill
   - Exit

2. Write a C program to read N integers into an array and display the elements in reverse order.