C# - Practical Questions

1.Write a program that declares variables of different data types (int, float, double, char, and string) and initializes them with values. Print each value to the console.

2. Create a program that takes two integers as input and calculates their sum, difference, product, and quotient. Print each result.

3. Write a program that swaps the values of two variables using a temporary variable and prints the values before and after swapping.

4. Write a program that takes a number as input from the user and checks if it is a prime number. Print whether the number is prime or not.

5. Write a program that checks whether a number entered by the user is positive, negative, or zero, and prints the appropriate message.

6. Create a program that takes an integer input and determines if it is even or odd, using the modulus operator %.

7. Write a program that calculates the factorial of a number input by the user using a for loop and prints the result.

8. Create a program that uses a switch statement to display the name of a day based on the user-inputted day number (1 for Monday, 2 for Tuesday, etc.).

9. Write a program that takes a number from the user and prints all integers from 1 to that number using a while loop.

10. Create a program that accepts a student's marks in three subjects and calculates the average. If the average is greater than 60, print "Pass"; otherwise, print "Fail".