Cavalier Institute - https://cavalierinstitutions.com

Date	Sep-12-2024	Session No	1

Topic : Programming (C# and Dot Net) / Problem solving

Assignment - Questions :

Level 1

1. Write a for loop to print all even numbers between 1 and 20.
2. Write a for loop to print numbers between 30 and 50 that are divisible by 5.
3. Write a for loop to print the square of each number from 1 to 10.
4. Write a while loop to print all odd numbers between 1 and 15.
5. Write a while loop to print numbers from 100 down to 50 that are divisible by 10.
6. Write a for loop to print all prime numbers between 1 and 50.
7. Write a while loop to print the first 10 numbers of the Fibonacci sequence.
8. Write a for loop to print the multiplication table of 7.
9. Write a while loop to keep doubling a number until it exceeds 1000, starting from 1.
10. Write a for loop to print numbers between 1 and 20, but skip numbers divisible by 3.

Level 2

1. Write a for loop to print all numbers between 1 and 50, but stop the loop when you encounter a number divisible by both 8 and 9.
2. Write a while loop to calculate the sum of all numbers between 1 and 100 that are divisible by 4, and print the result.
3. Write a for loop to print all the digits of a given number in reverse order (e.g., for 1234, print 4 3 2 1).
4. Write a while loop to find the smallest number greater than 500 that is divisible by both 7 and 13.
5. Write a for loop to print the first 10 terms of the arithmetic sequence starting with 5, with a common difference of 3 (i.e., 5, 8, 11, ...).
6. Write a while loop to find the factorial of a given number, and print the result.

END