**Name: Session:**

**Programming II**

**Lab Exercise 2.2.2023**

**Complete the following programs. When you have completed each program, submit a copy of your documented source code. Your documentation should include at a minimum name, assignment number (i.e. Lab Exercise 2.2.2023 Problem 1) and a sample output of your program run.**

1. Write a console-based application that displays a multiplication table of the product of every integer from 1 through 10 multiplied by every integer from 1 through 10. Save the file as DisplayMultiplicationTable.cs.
2. Write a console-based application that displays all even numbers from 2 to 100, inclusive. Save the file as EvenNums.cs.
3. Write a console-based application that displays every integer value from 1 to 20, along with its squared value. Save the file as TableOfSquares.cs.
4. Write a console-based application that sums the integers from 1 to 50. Save the file as Sum50.cs.
5. Write a console-based application that displays every perfect number from 1 through 1000. A number is perfect if it equals the sum of all the smaller positive integers that divide evenly into it. For example, 6 is perfect because 1, 2, and 3 divide evenly into it and their sum is 6. Save the file as Perfect.cs.