**Name: Session:**

**Programming II**

**Lab Exercise 2.12.2024**

**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 2.12.2024 Problem 1) and a sample output of your program run.**

1. Create a console-based application that computes the price of a desk and whose Main() method calls four other methods:

• A method to accept the number of drawers in the desk as input from the keyboard. This method returns the number of drawers to the Main() method.

• A method to accept as input and return the type of wood—‘m’ for mahogany, ‘o’ for oak, or ‘p’ for pine.

• A method that accepts the number of drawers and wood type, and calculates the cost of the desk based on the following:

• Pine desks are $100.

• Oak desks are $140.

• All other woods are $180.

• A $30 surcharge is added for each drawer.

• This method returns the cost to the Main() method.

• A method to display all the details and the final price.

Save the file as Desks.cs.

1. Create a console-based application whose Main() method accepts ten integer values from the user at the keyboard and stores them in an array. Pass the array to a method that determines and displays the smallest and largest of the ten values. Save the file as SmallAndLarge.cs.
2. Create either a console-based program that declares at least three integer arrays of different sizes. In turn, pass each array to a method that displays all the integers in each array and their sum. Save the file as FlexibleArrayMethod.cs.