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//Laboratory Activity7
//Matrix Diagonal Difference
using System;
using System.Ling;
using System.Collections.Generic;
namespace HelloWold;
public static class Activity7
  public static void Main(String[] args)
    Console.Write("Enter size of square matrix: ");
    int n = int.Parse(Console.ReadLine());
    while (n < 3)
       Console.Write("Size must be 3 or more: ");
       n = int.Parse(Console.ReadLine());
    int[,] matrix = new int[n, n];
    int leftToRight = 0;
    int rightToLeft = 0;
    Console.WriteLine("Enter matrix values:");
    for (int row = 0; row < n; row++)
       for (int column = 0; column < n; column++)
         Console.Write($"[{row},{column}]: ");
         matrix[row, column] = int.Parse(Console.ReadLine());
         if (row == column)
           leftToRight += matrix[row, column];
         if (column == n - row - 1)
           rightToLeft += matrix[row, column];
      }
    int difference = Math.Abs(leftToRight - rightToLeft);
    Console.WriteLine($"Left-to-Right Diagonal Sum: {leftToRight}");
    Console.WriteLine($"Right-to-Left Diagonal Sum: {rightToLeft}");
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Console.WriteLine($"Absolute Difference: {difference}");
}
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