**26929**

**HDRP Wickramasinghe**

**C# LAB 06**

Question 06

using System;

public class ArrayOperations

{

public int[] CreateArray(int size)

{

int[] array = new int[size];

// Prompt the user to enter values for the array.

for (int i = 0; i < size; i++)

{

Console.WriteLine("Enter a value for the array at index {0}: ", i);

array[i] = Convert.ToInt32(Console.ReadLine());

// Add a value of 0 after each user input value.

array[i + 1] = 0;

}

return array;

}

}

public class Program

{

public static void Main(string[] args)

{

// Declare variables to store the array and the results of the operations.

int[] array;

int size;

// Prompt the user to enter the size of the array.

Console.WriteLine("Enter the size of the array: ");

size = Convert.ToInt32(Console.ReadLine());

// Create an array of the specified size.

array = ArrayOperations.CreateArray(size);

// Display the contents of the array.

Console.WriteLine("The array is: ");

for (int i = 0; i < array.Length; i++)

{

Console.WriteLine("{0}", array[i]);

}

}

}