

## LAB 06:

### LAB 6.1:

```
namespace ArrayOperationsNamespace
{
    public class ArrayOperations
    {
        public void FillArrayWithUserInputs(int size)
        {
            int[] arr = new int[size * 2]; // Twice the size
            to accommodate the 0's.

            for (int i = 0; i < size; i++)
            {
                Console.Write($"Enter element {i + 1}: ");
                int userInput =
                int.Parse(Console.ReadLine());

                arr[i * 2] = userInput;
                arr[i * 2 + 1] = 0;
            }

            Console.WriteLine("\nThe array with user inputs
            and 0's:");
            foreach (int num in arr)
            {
                Console.Write($"{num} ");
            }
            Console.WriteLine();
        }
    }
}

using System;

namespace ArrayOperationsNamespace
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.Write("Enter the size of the array: ");
            int size = int.Parse(Console.ReadLine());

            ArrayOperations arrayOps = new ArrayOperations();
            arrayOps.FillArrayWithUserInputs(size);
        }
    }
}
```

