Malmö University
Technology and Society

Programmering med C#, grundkurs
Programming Using C#, Basic Course

Exercise - Array Functions Demo
Optional – not to be submitted

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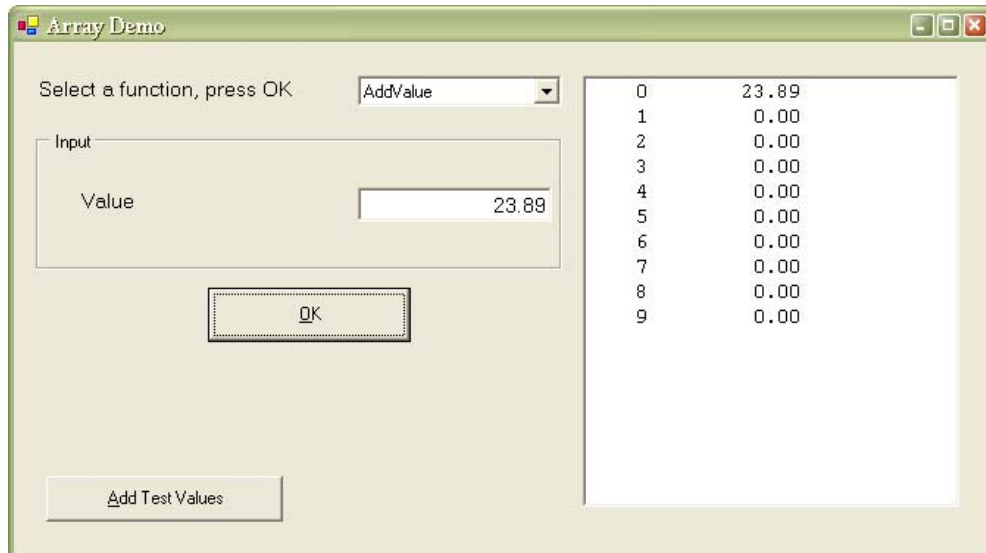# Exercise – Array Functions Demo

1.   Objectives

The objective of the assignment is to provide training in working with simple array of numbers, and manipulate values saved in the elements of the array.

2.   Description

Write a program that lets the user choose among the following operations:

- **Create Array**: an array of double-numbers with a size given by the user.
- **Add Value**: add values given by the user into the array. The position in which the value is saved is chosen by the program from 0 … to size-1.
- **Search Value**: to seek a given number and display the first index at which the value is found.
- **Reverse Array**: reposition the values in a reversed order.
- **Destroy Array**: Destroy the whole array.

3.   Instructions

2.1.   Write a class **ArrayDemo.cs** with methods that carry out the above operations. All fields (attributes) should be declared as `private`. Access to data is to be done by `public get` and `set` properties.

2.2.   Design your user-interface as you wish but let the user see all the values contained in the array in a control (like a Listbox) after every operation

4.   Solution

4.1.   The project as a whole is available for download from the Webzone.

Good Luck! *Programming is fun. Never give up. Ask for help!*
Farid Naisan, Course Coordinator and Instructor