Tutorial 7

Lecture revision

1. Why do we need methods?
2. How to declare a method in C#?
3. What is the difference between by value and by reference parameters passing?

Homework revision

Programming exercise I – BubbleSorting

The task is to sort numbers provided by user using Bubble Sorting algorithm.

1. Do some research about Bubble Sorting algorithm
2. Create new Windows application called Sorting
3. Add a textbox and a button and get comma separated list of numbers to sort. Parse the input and alert the user in case of invalid input.
4. Introduce a bool variable haveChanges and initialize to true
5. Create a method able to swap two numbers
6. In the main code open a while loop, reset haveChanges and inside check if all numbers are in correct order (number1 < number2 < number3 < number4 < number5)
7. If any of the numbers are in wrong order apply Swap function to swap the values and reset haveChanges variable to true
8. Whenever all numbers are in correct order, show them to user

Programming exercise II – Mock test preparation

Practice Independent Studies Tasks