

P2NC.01.084 Programming with C#

Exercise # 6

Both namespaces **System.Collections** and **System.Collections.Generic** hold many classes that classes implement such as lists, dynamically sized arrays, ordered lists, hash tables, so on. These classes provide number of methods for sorting the values of the collections.

Exercise : Marks (4)

For this exercise you have to use a **List<T>**:

- to store the string input data which will be entered by user and finish with blank line after that apply Ascending and Descending sorting on stored string data and show the sorted result on screen.
- After sorting the string values, ask series of numbers, which will be entered by user and finish the entry with blank line after that similar like above to apply Ascending and Descending sorting on stored numbers and show the sorted result on screen.
- The output of the program seems as like below:

```
C:\Windows\system32\cmd.exe
Enter a series of strings, one per line. Finish with a blank line
Yar
Toomas
Ueronika
Siim
Andrei
Fliph

Ascending list of strings:
    Andrei
    Fliph
    Siim
    Toomas
    Ueronika
    Yar

Descending list of strings:
    Yar
    Ueronika
    Toomas
    Siim
    Fliph
    Andrei

Enter a series of numbers, one per line. Finish with a blank line
5
2
6
1
9
7
20

Ascending list of numbers:
    1
    2
    5
    6
    7
    9
    20

Descending list of numbers:
    20
    9
    7
    6
    5
    2
    1

Press any key to continue . . . _
```