WEEK 08

1D ARRAY

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1 Requirements

Complete the following exercises, with several requirements:

1. Programming language: C++
2. IDE: Microsoft Visual Studio 2010
3. Solution name: StudentID_WeekXX. XX: 01-10
4. Project name: ExYY. YY:01-99 (hope we don't have 99 exercises/week ☹)
5. At the beginning of each source code file, write down 3 types of info: (1) Student ID; (2) Full name; (3) Exercise XX
6. Remove all foldes Debug, ipch, and file .sdf before submitting to Moodle
7. Your file name: StudentID_WeekXX.rar/zip. For example, 0512299_Week01.zip

2 Instruction

In this lab, we learn how to:

1. How to process data (integers, floats) on one-dimensional arrays

Index in an array in C++ is from 0 to n-1

3 Exercises

Complete these exercises by define own functions for them. Try to write in English in this lab, use dictionary as needed

Create an unique solution and 2 projects named IntegerArrayEx and FloatArrayEx. Complete the following excerises.

- Input/Output: 128, 129, 130, 131, 133
- Sentinel: 134, 135, 137, 140, 142, 144, 150, 151, 154, 155, 157, 158, 160, 161, 165, 166, 169, 170, 171, 172, 173, 174, 175
- Searching: 176, 177, 180, 181, 183, 184, 187, 189, 194, 195
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- Other: 283, 284, 286, 287, 289, 292

- Sub-array: 293, 294, 295, 296
- Array construction: 307, 308, 309, 310

4 In-class Assignment (IA)

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5 Homework (HW)

All