

Programming Assignment 7 (the last assignment)

(100 points)

Due Date: 6:59 PM Wednesday, May 9, 2012

Educational Goal

Become familiar with 2-dimensional Array operations.

Requirements

- Create folder *hw7* under your *it114* folder.
- Make a program **TwoDimensionalArray.java** that initializes a 6-by-5 array with 30 integers and prints the content of the array. Each element in the first row has a value 1; each element in the second row has a value 2; each element in the third row has a value 4; so on so forth. That is, each element in the next row is always 2 times bigger than that in the previous row.
- Must use for loops for array initialization and array output. 0 credits if loops are not used for the operations.
- For example,

- `java TwoDimensionalArray`

1 1 1 1 1

2 2 2 2 2

4 4 4 4 4

8 8 8 8 8

16 16 16 16 16

32 32 32 32 32

- Comments should explain how to compile and run the program and what the results are.
- Compile **TwoDimensionalArray.java** and generate **TwoDimensionalArray.class** under the same folder (/it114/hw6).
- Run **TwoDimensionalArray.class** and produce results under your UNIX account.

Submission Requirements

1. The homework folder and homework files must be created under your Unix account **before** the submission deadline. **Zero points for late submission.**
2. Turn in the paper copy of **the source code (.java file), outputs of the program, and the completed cover page (provide your name and UNIX ID in the cover page)** in class. **Paper copy**

should be bound firmly together as one pack (for example, staple, but not limited to, at the left corner). 5 points will be deducted for unbounded homework.

3. No hard copies or soft copies results in 0 points.