**CSc 1302: Homework 2**

(Due on 11:59 pm, 6/21/2017)

**Program #1**:

In one state, single residents are subject to the following income tax:

|  |  |
| --- | --- |
| Income | Amount of tax |
| Not over $750 | 1% of income |
| $750-$2500 | $7.5 plus 2% of amount over $750 |
| $2500-$5000 | $82.5 plus 4% of amount over $2500 |
| $5000-$8000 | $142.50 plus 5% of amount over $5000 |
| Over $8000 | $230.00 plus%6 of amount over $8000 |

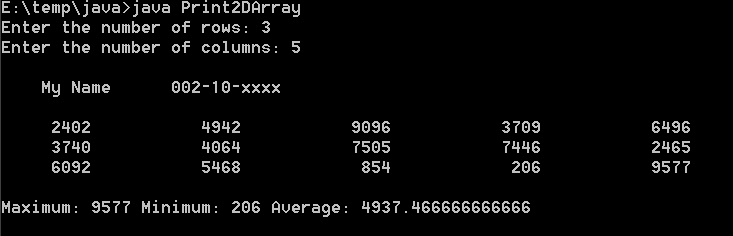
Write a program named *IncomeTax.java*.

1. generate random number of people in the range of (1-15);
2. ask the user to enter the amount of taxable income for each person, and then displays the tax due;
3. display the people with max value of taxes on the screen.

**Program #2**:

Write a program called Print2DArray.java which will ask the user to enter the number of rows and the number of column for a 2-dimension array. Then the program generates an integer number in the range of (100, 10000) for each element of the array.

1. print the header including your name and panther ID; print a blank line after the header;
2. print the 2-dimension array and each column is right-aligned;
3. print out a blank line followed by the maximum, average and minimum values of the 2-dimension array.



**What to turn in**:

1. Upload all of the .java and the .class files to the CSc1302 dropbox on [http:// icollege.gsu.edu](http://desire2learn.gsu.edu/).

**Note**:

1. For all assignments, always use comments to include the programmer information, date, title of the program and brief description of the program.
2. No copying allowed. If it is found that students copy from each other, all of these programs will get **0**.
3. You must name your file/program as specified. Should you use a different name, you would lose **10%** of what the program is worth.
4. Make sure that both the .java and .class files are uploaded to the ftp server correctly. If the any special package is used in the program. Be sure to upload the package also. Should you use any other subdirectory (whatsoever) your program would not be graded and you will receive a **0 (zero)**.