

Professor: Michael Robinson
e-mail : michael.robinson@cs.fiu.edu
Web Page : www.cs.fiu.edu/~mrobi002/teaching

- a - Using virtualbox from you local computer
- b - Install Ubuntu as a virtual machine inside virtualbox
- c - Install Windows as a virtual machine inside virtualbox
- d - Install Java JDK inside Ubuntu and Windows
- e - Create a folder called projects inside and Windows
- f - Create a folder called backups inside and Windows
- g - Using Ubuntu's terminal create the java program described below
- h - Using Windows's cmd create the java program described below
- i - In Ubuntu and in Windows
Copy and rename your files in the projects folder
to your backup folder

Program:

- Program must be named: yourLastNameFirstLetterOfYourFirstNamepgml.java
- Turn in the signed source code on paper, and email me the source code.
- Make sure the program is properly documented and aligned uniformly, looking professionally, I will take points off if it not.
- Include the following header in every program:

```
/*  
Author : Your Name  
Course : CGS 3767 days and time  
Professor : Michael Robinson  
Program # : Program Purpose/Description  
{A brief description of the program }
```

Due Date : MM/DD/YYYY

Certification:

I hereby certify that this work is my own and none of it is the work of any other person.
.....{ your signature }.....
*/

Purpose of this program:

- Create a very simple Java program in Windows and Ubuntu using their Editors
*** DO NOT USE ANY IDE ***
- Windows : From the command line (cmd), use the notepad editor
- Ubuntu : From the Terminal use the gedit, or nano or pico or vi or vim editor
- Compile and run this program using the MSDOS/Terminal
javac robinsonMpgml.java
java robinsonMpgml
- Create a 10 x 10 two dimensional array of int data type
- Load each index location in the array with the sum of it's row + column
- Create and algorithm that will add all the values in the diagonal indexes from 0,0 to 9,9 and print the total
- Create and algorithm that will add all the values in the diagonal indexes from 0,9 to 9,0 and print the total
- Print the addition of both diagonals

How:

- From the main method create the rows and columns variables with their values
- From the main method call a method named arrays passing rows and columns
- From the arrays method do the rest of the program