/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CONSTRUCTOR

Author : Jonathan Parrilla

Course : COP 3804 MW 7:50 PM - 9:05PM

Professor : Michael Robinson

Program # : pgm1

- Implement a main program that will use external classes and constructors using

- Enhanced for loops

- Final Variables

- Variable-Length Argument List in Methods

- ternary "if"

- Use GUI messageDialog Boxes and inputDialogBoxes for all communications with the user.

- Each task must be done inside its own method.

- Use the main method to create variables and call the methods ONLY.

- Make the FINAL variables global.

- External class and Contructors DO NOT contain data, they PROCESS data sent by the user (main program)

Due Date : 09/12/2012

Certification:

I hereby certify that this work is my own and none of it is the work of any other person.

..........{ your signature }..........

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**public** **class** ParrillaJConst

{

//private variables

**private** **int** firstNumber;

**private** **int** secondNumber;

**private** **int** thirdNumber;

//private double Grades[] = {0,0,0,0,0,0,0,0};

**private** **double** Grades[] = **new** **double**[8];

/\*private double Grades[];

\* Caused a java.lang.NullPointerException in Main,

\* which was tied to line 26 of this constructor,

\* Which is where I tried to initialize Grades[],

\* using an enhanced for loop.

\*/

**private** String FirstName;

**private** String LastName;

//constructors

**public** ParrillaJConst()

{

}

**public** ParrillaJConst(**double** ClassGrades[])

{

**int** x = 0;

**for**(**double** temp: ClassGrades)

{

Grades[x] = temp;

System.*out*.println("Grades: " +Grades[x]);

x++;

}

}

**public** ParrillaJConst(**int** fn, **int** sn, **int** tn)

{

firstNumber = fn;

secondNumber = sn;

thirdNumber = tn;

//Sort the numbers in ascending order

**int** temp = 0;

**if**(firstNumber > secondNumber)

{

temp = secondNumber;

secondNumber = firstNumber;

firstNumber = temp;

}

**if**(secondNumber > thirdNumber)

{

temp = thirdNumber;

thirdNumber = secondNumber;

secondNumber = temp;

}

**if**(firstNumber > secondNumber)

{

temp = secondNumber;

secondNumber = firstNumber;

firstNumber = temp;

}

}

//Setters

**public** **void** setfirstNumber(**int** fn)

{

firstNumber = fn;

}

**public** **void** setsecondNumber(**int** sn)

{

secondNumber = sn;

}

**public** **void** setthirdNumber(**int** tn)

{

thirdNumber = tn;

}

**public** **void** setFirstName(String name)

{

FirstName = name;

}

**public** **void** setLastName(String name)

{

LastName = name;

}

**public** **void** setGrades(**double**[] rGrades)

{

Grades[0] = rGrades[0];

Grades[1] = rGrades[1];

Grades[2] = rGrades[2];

Grades[3] = rGrades[3];

}

//Getters

**public** String getLastName()

{

**return** LastName;

}

**public** String getFirstName()

{

**return** FirstName;

}

**public** **double**[] getGrades()

{

**return** Grades;

}

**public** **int** getfirstNumber()

{

**return** firstNumber;

}

**public** **int** getsecondNumber()

{

**return** secondNumber;

}

**public** **int** getthirdNumber()

{

**return** thirdNumber;

}

}