Assignment 7 worksheet

FINAL PROGRAMMING PROJECT – Progress report

This ASSIGNMENT contains the following activitY:

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| Activity 7.1 | Develop a progress report for your selected programming project |
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| Activity 7.1 | Develop a progress report for your selected programming project |
| Overview | In Activity 7.1 you develop a progress report for your selected programming project. You should deliver to your instructor a summary of your final programming project connecting the multiple topics we have/still learned/learning. |

You should deliver to your instructor a summary of your final programming project

connecting the multiple topics, we have/are learned/learning, such as:

* Textbook Chapters 3-8, 10-12 & 14, including: Decision Structures; Loops and Files; Methods; A First Look At Classes; Arrays and the ArrayList Class; A Second Look at Classes and Objects; Inheritance; Exceptions and Advanced File I/O; A First Look at GUI Applications; Applets and More.
* Textbook theory and Programming Challenges (Review source code solutions in BlackBoard Learning Modules)
* MPL Programming Projects: Chapters 3-8, 10-12 & 14.

This progress report (Part **2** / 4) will serve as the foundation of your Final Programming Project Documentation. See your syllabus (Final Project - 4 parts) or the schedule below for details:

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| **Week** | **Assignment This Week** | **Due Date** |
| 10 | *Final Project – Part* ***1*** */ 4 (Choose 1 and begin)* | *10/29* |
| 12 | *Final Project – Part* ***2*** */ 4 (Submit Progress Report)* | *11/12* |
| 15 | *Final Project – Part* ***3*** */ 4 (Submit Pseudocode)* | *12/3* |
| 16 | *Final Project – Part* ***4*** */ 4 (Submit Source code file)* | *12/10* |

The Requirements for your final programming progress report are:

1. Get a written description of the problem domain (Summary).
2. Identify all the nouns (including pronouns and noun phrases) in the description. Each of these is a potential class.
3. Refine the list to include only the classes that are relevant to the problem.
4. Page length: 1-2 pages (not to exceed 3 pages, not including Cover Page, Table of Contents and Appendix); Font Size: 12; Spacing: Double.

**Note:** Include your Progress Report in the following pages.

**< WRITE DOWN YOUR “PROGRESS REPORT” BELOW >**

import java.util.\*;

class MagicSquare{

public static void main(String[] args) {

// Store Values for Array

int[][] square = new int[3][3];

Scanner input = new Scanner(System.in);

// Input user's magic square.

System.out.println("\nPlease enter your magic square.");

System.out.println("Separate each Number in a row by Pressing [TAB].");

System.out.println("Go down row by Pressing [Enter].");

System.out.println("For Example:");

System.out.println("2 [TAB] 7 [TAB] 6");

System.out.println("9 [TAB] 5 [TAB] 1");

System.out.println("4 [TAB] 3 [TAB] 8");

System.out.println("Or Click [Enter] after each number.");

for (int i = 0; i < 3; i++)

for (int j = 0; j < 3; j++)

square[i][j] = input.nextInt();

Typing Template for Final Programming Project: A Sample of Proper Formatting

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Summary

So I am doing the Magic Square program. This is a program that will do a variety of things. First It asks the user to input nine numbers and to separate each using the ‘ENTER’ button. It’ll then check two things with the values. It will check the sum of every set of three numbers. Order does matter, that they either input the number either column by column or row by row. I made it so they can also type in their Magic Square like a square. They separate numbers in a row by pressing Tab, and separate row by row by pressing enter.

They would input their numbers like:

2 7 6

9 5 1

4 3 8

Then after inputting each number the program will add each row, each column, and each diagonal and see if their sums are the same. Finally the program will see if all the sums are equal or not equal. If and only if all the sums are equal, the set of numbers can be labeled as a magic square.

Classes

Class : Magic Square.

**Note:**

*Once you have filled in the required information, save the file to your flash drive / hard disk. Then, you can submit it to your instructor through your Blackboard Course for review and grading.*