TINKER ACADEMY

AP Computer Science Prep (Java DS & Algo)

Homework 4: Java Arrays

Make sure you read the Handout slides!

Overview

In this Homework you will work on using arrays
You might need to refer to the Handout slides for Java Arrays to complete this homework.
The Handout slides for Java Arrays can be accessed from TinkerCourses.

Open the Homework

Import Java Project
1. Open File Manager
2. Navigate to TinkerCourses, TA-JAV-3, homework4
3. Right Click, extract Homework4.zip
4. Double click to Open eclipse (under Tinker Apps)
5. Right click over Package Explorer
6. Import...
7. Select extracted folder Homework4

Before you begin

Keep the handout slides for Java Arrays open

Structure of the Program
Homework4 is an Eclipse Java Project. The Project has
1. A Java Source File called "Homework4.java"
2. The Homework4 class contains the main method

Homework Part 1
Type in all code for Part 1 in the method sumArray
Your code should
1. loop through each of the elements of the input arr
2. sum up the value of each element
3. assign the value to result

Homework Part 2
Type in all code for Part 1 in the method reverseArray
Your code should
1. swap the 1st element in the array with the last element
2. swap the 2st element in the array with the last - 1 element
3. swap the 3rd element in the array with the last - 2 element
and so on

For example

If the input arr is

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

the method should swap the elements of the array to change it to

[9, 8, 7, 6, 5, 4, 3, 2, 1, 0]

Ensure there are no errors
If all is good, you should see no errors, no red markers in the Homework3.java source file and no errors in the Problems View

Submit the Homework

Submit your changes
1. Make sure you are on the Home WiFi.
2. Save All your changes
3. Open File Manager
4. Click TinkerSetup
5. Double Click "Course Submit"

All the Best!