

TINKER ACADEMY

AP Computer Science Prep (Java DS & Algo)

Homework 5: Bubble Sort

Make sure you read the Handout slides!

Overview

In this Homework you **will** be modifying the Bubble Sort Algorithm. Instead of sorting the items in the array in increasing order, you will modify the algorithm to sort the items in decreasing order.

Open the Homework

Import Java Project

1. Open File Manager
2. Navigate to TinkerCourses, TA-JAV-3, homework5
3. Right Click, extract Homework5.zip
4. Double click to Open eclipse (under Tinker Apps)
5. Right click over Package Explorer
6. Import...
7. Select extracted folder Homework5

Before you begin

Keep the handout slides for Week 5 open

Structure of the Program

Homework5 is an Eclipse Java Project. The Project has

1. A Java Source File called "Main.java"
2. A Java Source File called "BubbleSort.java"

3. The Main class contains the main method

Complete the Homework

Homework

Add the sorting Algorithm under the line marked //TODO in BubbleSort.java

The algorithm should sort the array in **descending order**.

If the algorithm is implemented correctly, the final output of the array will be

[5, 4, 3, 2, 1]

Once you make your changes, you should save the files using File->Save All in Eclipse before submitting the homework.

All the Best!

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!