

EECS2030 Fall 2018

Guide for Lab Test 2

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1 Format

- Coding in Eclipse [40 marks]
 - The level of difficulty will be similar to the preparation exercises.
 - You will be given JUnit tests, based on which you will infer signatures of methods and implement those methods. This is an exercise similar to Lab Test 1.
 - * This tutorial video discusses a strategy of making your code compile.
 - * **For this coding part, your marks will be determined entirely by the number of JUnit tests that your code passes. No partial marks will be given to code that does not work or does not compile.**
 - * Familiarize yourself particularly with primitive arrays.

- Concepts (written answers required) [60 marks]

Please note that for this lab test, more emphasis is placed on testing your understanding about the taught concepts.

2 Rules

- You must show up for your registered session only.
- Bring a piece of photo ID.
- No mobile phone usage is allowed during the test.
- No data sheet will be allowed.
- You may bring pen/pencil and a piece of blank paper for sketching your solutions.

3 Coverage

- You do not need to study the labs for this lab test: focus on the taught contents in lectures.
- Java collection (**ArrayList** and **HashMap**) will not be covered in this lab test.
- Equality, Hashing, and Comparing Objects
 - All slides in this lecture
- Asymptotic Analysis
 - All slides in this lecture
 - You may be asked:

- * Proof questions: slides 21, 22, 25
- * Analysis questions: slides 29 – 33 (or code fragments similar to selector sort or insertion sort)
- Call by Value, Aggregation, Composition
- All** slides in this lecture
- Sample Codes