

Program Structures and Algorithms Spring 2023(SEC –03)

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Task: Assignment 3 (Benchmark)

Unit Test Screenshots:

The screenshot shows an IDE with a project structure on the left and a Java file named `InsertionSort.java` in the center. The project structure includes a package `edu.neu.coe.info6205.sort.elementary` with several test classes, including `InsertionSortTest`. The `InsertionSort.java` file contains a `while` loop and a `public static void sort` method. A compilation error is shown at the bottom: `java: incompatible types: X cannot be converted to int`. The error message is partially obscured by a redacted path.

Insertion Sort:

The screenshot shows an IDE with a project structure on the left and a Java file named `TimerTest.java` in the center. The project structure includes a package `edu.neu.coe.info6205.sort.benchmark` with several benchmark classes, including `Timer`. The `TimerTest.java` file contains a `@Test` method `testRepeat4` that uses the `Timer` class. The bottom of the screenshot shows the output of a unit test run, indicating that 3 tests failed and 8 tests passed.