

COMP 110/L Lecture 19

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Outline

- Exam retrospective
- `JUnit fail()`
- More two-dimensional array examples

Exam Retrospective

Example:

`SwapVariables.java`

JUnit *fail()*

`fail()`

Triggers immediate test failure

fail()

Triggers immediate test failure

```
import static org.junit.Assert.fail;
```

-Need this import at the beginning of the program

fail()

Triggers immediate test failure

```
import static org.junit.Assert.fail;
```

```
@Test
```

```
public void testSomething() {  
    if (someFailureCondition) {  
        fail();  
    }  
}
```

Example

- `FailExample.java`
- `FailExampleTest.java`

`fail()` Utility

- Some test failures cannot be easily phrased as one value equals another value
- Occasionally more convenient
- We can define our own `assertEquals()` and `assertArrayEquals()` **using** `fail()`

More 2D Array Examples

- `PrintRow2D.java`
- `PrintCol2D.java`