CMSC 132: Object-Oriented Programming II

Submit Server Test Coverage

Department of Computer Science
University of Maryland, College Park
Submit Server Test Coverage

Test coverage

Whether code is executed by some test case

Automatically calculated by submit server

For set of tests selected (from link)
  E.g., student tests, public tests, student+public tests

For conditionals, reports X/Y where
  X = # tests executing True
  Y = # tests executing False

Color
  Green = executed by some test case
  Pink = not executed
Test Coverage Example

Source Code

Coverage information for public test #all:

<table>
<thead>
<tr>
<th>Source file</th>
<th>statements</th>
<th>conditionals</th>
<th>methods</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilities.java</td>
<td>4/10</td>
<td>1/5</td>
<td>1/2</td>
<td></td>
</tr>
</tbody>
</table>

```
package utilities;

public class Utilities {

    2
    public static String letterGrade(double numericGrade) {
        1
        if (numericGrade >= 90.0)
            1
            return "A";
        1
        else if (numericGrade >= 80.0)
            1
            return "B";
        0
        else if (numericGrade >= 70.0)
            0
            return "C";
        0
        else if (numericGrade >= 60.0)
            0
            return "D";

        0
        else
            0
            return "F";
    }

    0
    public static boolean passingNumericGrade(double numericGrade) {
        0
        return numericGrade >= 70.0 ? true : false;
    }
}
```