Section 1: general information

Specifications

Description

The method calculates the letter grade based on several factors.

Javadoc

    public static enum LetterGrade { GRADEA, GRADEAPLUS,GRADEB,GRADEBPLUS,GRADEC, GRADECPLUS,GRADED, GRADEDPLUS, GRADEF , ERROR};

    /\*\*

     \* Determine the letter grade in the class based on points and perfect attendance

     \* we use the regular ranges: F less than 60, D less than 70, C less than 80, B less than 90, A up to 100.

     \* perfect attendance adds a plus to the letter grade except for F

     \* points less than 0 is an error

     \*

     \* @param points How many points the student has scored

     \* @param perfect Whether the student has perfect attendance

     \*

     \* @return

     \* A - at least 90 points

     \* B - at least 80 points

     \* C - at least 70 points

     \* D - at least 60 points

     \* F - zero up to 60 points

     \* PLUS added for perfect attendance

     \* ERROR - points less than 0

     \*/

Note: do not delete anything from this document, only add to it. Do not re-order things in this document.

-------------------------------------------end of section 1 -----------------------------------------------------

Section 2: chapter-specific data

Natural ranges for Equivalence partitions

Natural ranges table

|  |  |
| --- | --- |
| **Parameter** | **Natural Range** |
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Rules for decision tables

* Rule01
* Rule02
* etc

Rules table. You can do it either vertical as in the book , or horizontal as I preferred. You can also use the inserted spreadsheet if you wish.

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For the spreadsheet, double click in the area below.



Screenshot of jacoco in browser for statement coverage (before any new tests)

Screenshot of highlighted code for statement coverage (before any new tests)

Interpretation of screenshots for statement coverage

Screenshot of jacoco in browser for branch coverage (before any new tests)

Screenshot of highlighted code for branch coverage (before any new tests)

Interpretation of screenshots for branch coverage

---------------------------------------------- end of section 2---------------------------------------------

Section 3: TCI table and Tests table

**Test Coverage Items table. Complete the Test Case column after you add the tests for each section.**

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| **TCI** | **Parameter** | **Equivalence partition, boundary value, decision, etc** | **Test case** |
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**Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **TCI covered** | **Inputs** | | | **Exp. results** | **comment** |
|  |  |  | return value |  |
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