**CSC201: C Programming Language**

**Additional Exercises**

**Friday, Oct 10th 2014**

**Exercise #2**

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1. Implement the following decision table using a **nested if statement**. Assume that the grade point average is within the range 0.0 through 4.0.

|  |  |
| --- | --- |
| Grade Point Average (GPA) | Transcript Message |
| 0.0 – 0.99 | Failed semester – registration suspended |
| 1.0 – 1.99 | On probation for next semester |
| 2.0 – 2.99 | (no message) |
| 3.0 – 3.49 | Dean’s list for semester |
| 3.5 – 4.00 | Highest honors for semester |

1. Implement the following decision table using a **multiple-alternative if statement** (if…else if…else….). Assume that the wind speed is given as an integer.

|  |  |
| --- | --- |
| Wind Speed (mph) | Category |
| Below 25 | Not a strong wind |
| 25 – 38 | Strong wind |
| 39 – 54 | Gale |
| 55 – 72 | Whole gale |
| Above 72 | hurricane |