**Highway Robbery!**

**DUE September 26, 2012 11:55 pm**

***Use skills learned in Units 1 - 4 and include:***

* ***input functions, calculation functions and output functions***
* ***passing variables between functions***
* ***elif statement***

You have been tasked to construct a program that will prepare automobile liability insurance estimates for customers. The input consists of:

The name of the customer

The age of the customer

The number of traffic violations

Based on this information you will determine their status as a driver, following these guidelines:

|  |  |  |
| --- | --- | --- |
| **Number of Violations** | **Risk Code** | **Risk Type** |
| 4 or More | 1 | High |
| 3 | 2 | Moderate |
| 2 | 2 | Moderate |
| 1 | 3 | Low |
| 0 | 4 | No |

More than 4 tickets indicate a “Code 1” driver, which is High Risk. “Code 2” Drivers who have either 2 or 3 tickets, are considered “Moderate Risk” drivers. Any driver with one ticket is deemed “Code 3,” and considered “Low Risk.” Drivers without any tickets are considered “Code 4,” which is “No Risk.” Based upon this classification you can then give them the appropriate quote.

Pricing of Insurance:

|  |  |  |  |
| --- | --- | --- | --- |
| **Age** | **Number of Tickets** | **Risk Code** | **Price** |
| Under 25 | 4 or more | 1 | $480.00 |
| 25 or older | 4 or more | 1 | $410.00 |
| Under 25 | 3 | 2 | $450.00 |
| 25 or older | 3 | 2 | $390.00 |
| Under 25 | 2 | 2 | $405.00 |
| 25 or older | 2 | 2 | $365.00 |
| Under 25 | 1 | 3 | $380.00 |
| 25 or older | 1 | 3 | $315.00 |
| Under 25 | 0 | 4 | $325.00 |
| 25 or older | 0 | 4 | $275.00 |

Sample output line follows (Items underlined are variable values):

“*Customer Name*, as a *----* risk driver, your insurance will cost *-----*.”

You are to account for invalid input. Drivers must be between the ages of 16 and 105. Number of traffic violations cannot be less than 0. Display only the message “Invalid Entry” in either case.