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Introduction to Programming Concepts

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Car-Gas-MPG-Functions Assignment IPO chart

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| --- | --- | --- |
| **Input** | **Process** | **Output** |
| The user inputs the price per gallon.  The user inputs the number of miles driven.  The user inputs the car’s miles per gallon.  The user enters 1, 2, or 3 because…  The user can update how much more money has been spent on gas by entering 1, update how many more miles have been driven by entering 2, or quit the program by entering 3. | After the user inputs the price per gallon, number of miles driven, and the car’s miles per gallon, the program calculates and displays how many miles have been driven as well as the total cost of the trip.  The user can update how many more miles have been driven by entering “1”, how much more he/she has spent on gas by entering “2”, or quit the program by entering “3”. Any other input will display a “that is not a valid input” message and quit the program as well. | Originally output the total cost of the trip and how many miles have been driven.  If the user chooses, also display the updated total cost of the trip and total miles driven.  The program will display the number of miles driven and total cost of the trip based on the user’s input(s) until “3” is entered as the choice value. |