

LAB 0

Problem Statement :

1. Design a Fuel-Station's Record System which contains all the details regarding the type of fuel it stores and their prices and quantities available.
2. It should print a detailed report of all the fuels it contains.
3. The record book should be such that whenever a vehicle arrives, it should update the amount of fuel that remains in the station and also display a transaction bill for the fuel filled for each vehicle.

Class : Fuel Station

Members : Fuel Type, Fuel Name, Fuel Price, Fuel Quantity.

Methods :

1. SellFuel: Everytime a vehicle makes a request for fuel, it would be done through this method
2. View Transaction Details: Display the total bill for the fuel request made by a vehicle.
Formula to calculate total bill= Fuel Price * Fuel Quantity

Class : Vehicles

Members : Fuel-Type Required, Fuel Quantity Required

Methods:

1. AskForFuel: Vehicle would make a request to a fuel station using this method, specifying fuel type and quantity required

Class: Tester

Use this class to instantiate your classes and play around with different test cases.