

```

package al;

import javax.swing.JOptionPane;

/**
 * @author Connor Cousineau Al: Driving Cost Calculator CS 1410
 *
 */
public class DrivingCostCalculator {

    /**
     * This method prints out a banner for beautification purposes
     */
    public static void displayBanner() {

        System.out.println("<><><><><><><><><><><><>");
        System.out.println("| Driving Cost Calculator |");
        System.out.println(">>>>>>>>>>>>>>>>>>>>>>>>>");

    }

    /**
     * @param distanceToDrive Assigns the the number for the distance to
drive
     * @param mpg Assigns the number for the miles per gallon
     * @param pricePerGallon Assigns the number for the price of the gas
     * @return returns the number to main()
     */
    public static double calculateTripCost(double distanceToDrive,
double mpg, double pricePerGallon) {

        double Gas = pricePerGallon/mpg;

        double costofTheTrip = distanceToDrive*Gas;

        String formattedNumberString = String.format("%.2f",
costofTheTrip);

        System.out.println("The cost of the trip is
$"+formattedNumberString);

        return costofTheTrip;

    }

    /**
     * @param Told not to put anything here
     * Asks for the information that goes into the calculations
     * Calls the functions to do the calculations
     */
    public static void main(String[] args) {

        String drivingDistanceString =
JOptionPane.showInputDialog("How far are you driving in miles?");

```

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        String milesPerGallonString =
JOptionPane.showInputDialog("What is your car's MPG?");

        String gasPriceString = JOptionPane.showInputDialog(" How
much does gas cost?");

        double drivingDistance =
Double.parseDouble(drivingDistanceString);

        double milesPerGallon =
Double.parseDouble(milesPerGallonString);

        double gasPrice = Double.parseDouble(gasPriceString);

        displayBanner();
        System.out.println("");
        calculateTripCost(drivingDistance, milesPerGallon,
gasPrice);
    }

}
```