

```

/**
 * Driver for the Car class.
 * @author (Dominguez)
 */
import java.util.Scanner; //not necessary
public class CarDriver
{
    public static void main( String args[] )
    {
        int startMiles = 0, endMiles;
        double gallonsIn;
        int choice;

        System.out.print("\n" + "Enter starting mileage...");
        startMiles = SavitchIn.readLineInt();
        Car auto = new Car(startMiles);

        do
        {
            System.out.print("\n" + "Enter" + "\n\t" +
                "1 ==> fill-up" + "\n\t" +
                "2 ==> calculate MPG" + "\n\t" +
                "3 ==> quit          ==> ");
            choice = SavitchIn.readLineInt();
            if( choice != 3 )
            {
                switch( choice )
                {
                    case 1:
                        System.out.print("New odometer reading... ");
                        endMiles = SavitchIn.readLineInt();
                        System.out.print("Enter number of gallons...");
                        gallonsIn = SavitchIn.readLineDouble();
                        auto.fillUp(endMiles, gallonsIn);
                        break;

                    case 2:
                        System.out.printf("Miles per gallon " +
                            "%-10.2f", auto.calculateMPG());
                        break;

                    case 3:
                        break;

                    default:
                        break;
                }
            }
            System.out.println();
        }while( choice != 3 );
        System.out.println("\n" + "GoodBye! Drive carefully!");
    }
}

```

SAMPLE OUTPUT

Enter starting mileage...21

Enter

1 ==> fill-up
2 ==> calculate MPG
3 ==> quit ==> 1

New odometer reading... 300

Enter number of gallons...13

Enter

1 ==> fill-up
2 ==> calculate MPG
3 ==> quit ==> 2

Miles per gallon 21.46

Enter

1 ==> fill-up
2 ==> calculate MPG
3 ==> quit ==> 1

New odometer reading... 500

Enter number of gallons...12

Enter

1 ==> fill-up
2 ==> calculate MPG
3 ==> quit ==> 1

New odometer reading... 700

Enter number of gallons...14

Enter

1 ==> fill-up
2 ==> calculate MPG
3 ==> quit ==> 2

Miles per gallon 15.38

Enter

1 ==> fill-up
2 ==> calculate MPG
3 ==> quit ==> 3

GoodBye! Drive carefully!