

**Lab Goal :** This lab was designed to teach you more designing and writing classes. Use the same runner code below and associated comments to create a Car class.

**Lab Description :** Write a Car class that will keep track of miles driven and when you need to change your oil.

### Sample Runner Code :

```
Car c = new Car( 9000, 3000 );           //single constructor that takes in miles
                                         //driven and when to change the oil
                                         //assumes car has never had an oil change
                                         //sets last oil change mileage to 0

System.out.println( c.timeForOilChange( ) ); //checks if it is time to change oil
                                         //returns true as 9000 is >= 3000
                                         //resets last oil change mileage to 0

c.addMiles( 2000 );                      //add 2000 miles to miles driven

System.out.println( c.timeForOilChange( ) ); //checks if it is time to change oil
                                         //car has driven 2000 miles since
                                         //last oil change - returns false

c.addMiles( 2000 );                      //add 2000 miles to miles driven

System.out.println( c.timeForOilChange( ) ); //checks if it is time to change oil
                                         //car has now driven 4000 miles since
                                         //last oil change - return true
                                         //4000 is >= 3000 so time to change oil
```

### Sample Output :

```
true
false
true
```

### Files Needed ::

```
Car.java
CarRunner.java
```