

vim Driver.java

1 /*
2
3 Jared Dyreson
4 CWID: 889546529
5 Driver.java -> Drive a car in Java
6
7 */
8
9 public class Driver {
10 public static void main(String[] args){
11 // Auto generated with caffeine
12 Car c = new Car();
13 // give it a name
14 c.set_name("Lola");
15
16 // 1st pull
17 c.accelerate(0);
18 c.drive(0);
19
20 // 2nd pull
21 c.accelerate(50);
22 c.drive(1.5);
23
24 // 3rd pull
25 c.deccelerate(35);
26 c.drive(1);
27 }
28 }

Driver.java [+]
5,1
All
1 change; before #8 2 seconds ago

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1 /*
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5 Car.java ->
6
7 */
8
9 // String formatting like in Python
10 import java.text.MessageFormat;
11
12 public class Car {
13
14 // attributes of the Car class
15 private int distance_traveled, speed;
16 private String name;
17
18 // getting the values of said data members
19 public int get_distance_traveled(){ return distance_traveled; }
20 public String get_name(){ return name; }
21
22 // allow for changing of the data members
23 public void set_distance_traveled(int displacement){ distance_traveled = displacement; }
24 public void set_name(String n){ name = n; }
25
26 // both functions are essentially the same, so to change it up, deccelerate just calls accelerate
27
28 public void accelerate(int rate){ speed = rate; }
29 public void deccelerate(int rate){ accelerate(rate); }
30
31 public void drive(double time_taken){
32
33 // calculate distance traveled
34 distance_traveled+=(time_taken*speed);
35 // create a message that will be displayed to the user. {n} denotes nth element in
36 // format array, where name is first with index 0 and so forth.
37 String message = java.text.MessageFormat.format("{0} has a current speed of {1} and
38 // has gone a distance of {2}", name, speed, distance_traveled);
39 System.out.println(message);
40 }
41 }

Car.java
1,1
All

Driver.java [+]

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All

Car.java

1,1

All

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```
Lola has a current speed of 0 and has gone a distance of 0  
Lola has a current speed of 50 and has gone a distance of 75  
Lola has a current speed of 35 and has gone a distance of 110
```

Press ENTER or type command to continue_