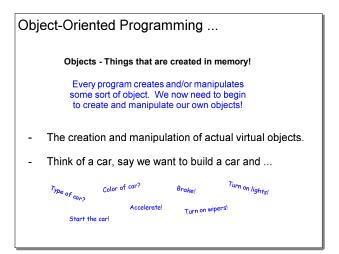
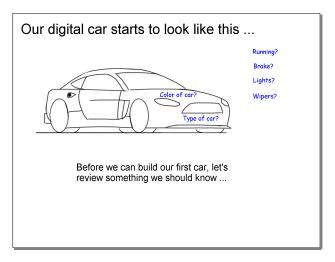


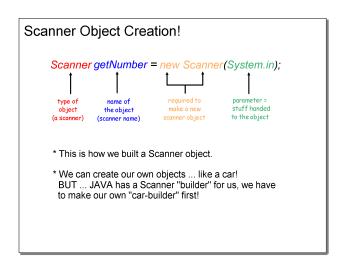
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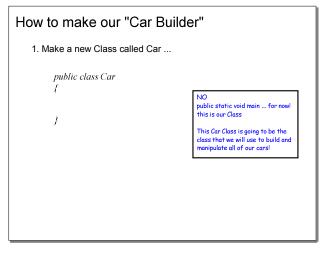
Apr 21-1:43 PM



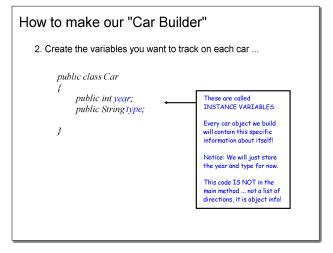
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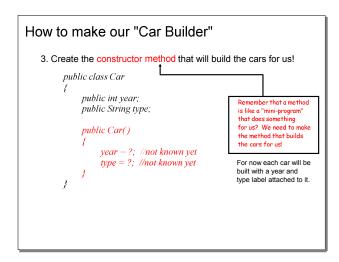


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How to make our "Car Builder" 2. Create the variables you want to track on the car ... public class Car { public int year; public String type; } Variables are "public" because we want all other parts of our program and any other classes/methods that we create to be able to access them. Public = open for anything to access/use

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```
How to make our "Car Builder"

3. Create the constructor method that will build the cars for us!

public class Car {
    public int year;
    public String type;
    public Car() {
        year = ???
        type = ???
    }
}
```

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```
How to make our "Car Builder"

4. Add the parameters (what is the car's information???)

public class Car

{
    public int year;
    public String type;

public Car(int carYear, String carType)
    {
        year = carYear;
        type = carType;
    }
}

Notice: The Car method needs to be told what the carYear and carType is, it will then build the car and store the information into the car!!

The car method needs 2 parameters - year and type!
```

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```
Congratulations ... you've made a "Car Builder"!

public class Car
{
public im year;
public String type;
public Car(int car Year;
type = car Year;
}
}

* This is now called our Car class.
* It contains a Car constructor method that builds cars for us.
* Currently the only information we will have about any car we make will be the year and type.

* year = car Year;
type = car Type;
}

* This is now called our Car class.
* It contains a Car constructor we will have about any car we make will be the year and type.

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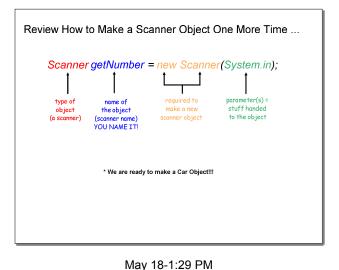
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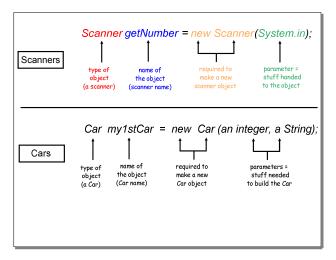
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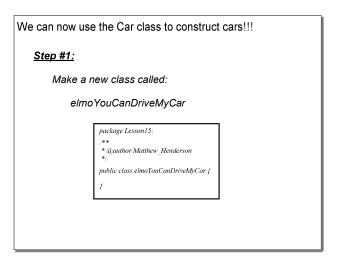
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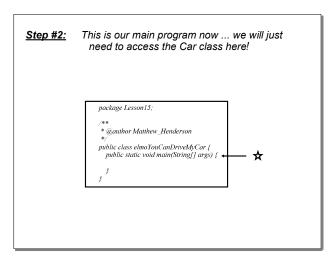




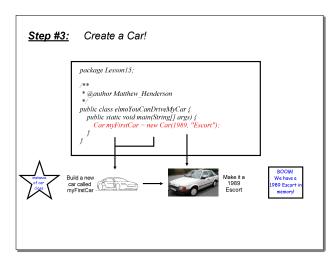
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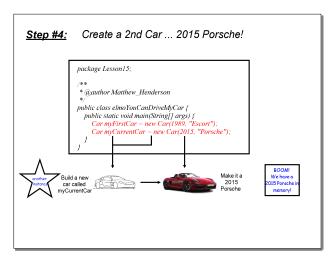
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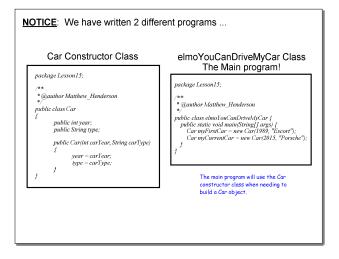
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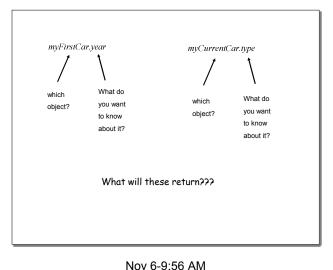
```
Step #2: Set up a Scanner to get the user input.

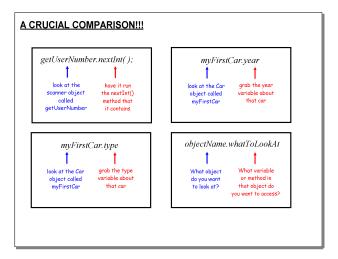
| package Lesson15; | import java.util.*; | /*** | * @author Matthew Henderson | */*, | public class elmoYouCanDriveMyCar { | public static void main(String[] args) { | Car myFirstCar = new Car(1089, "Escori"); | Car myCurrentCar = new Car(2018, "Porsche"); | System.out.println("Which car do you want to view (1 or 2): "); | Scanner getUserNumber = new Scanner(System.in); | } | }
```

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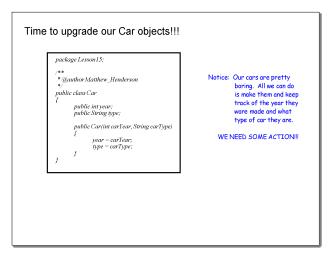
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```
So now every car that we create has a "running status" ...

package Lesson15;
import java.util.*;

Remember our

* @author Matthew_Henderson

* "Bauthor Matthew_Henderson

* "public class elmoYouCanDriveMyCar {
    public static void main(String[] args) {
        Car myVirstCar = new Car(2015, "Porsche");
        System.out.println("Which car do you want to view (1 or 2): ");
        Scamer getUserNumber = new Scamer(System.in);
        int userNumber = getUserNumber.nextln();
        iffuserNumber = ]
        System.out.println("You are viewing a "+myFirstCar.year+" "+myFirstCar.type);
        else ifuserNumber"=2)
        System.out.println("You are viewing a "+myCurrentCar.year+" "+myCurrentCar.type);
        else
        System.out.println("That is not a valid choice!");
      }
}
```

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So, we have cars that are not running ... how boring!

```
So now every car that we create has a "running status" ...

public class elmo/ouCanDriveMyCar {
    public static void main(String[] args) {
        Car myFirstCar = new Car(1989, "Escort");
        Car myFirstCar = new Car(1989, "Escort");
        System.out.println("Which car do you want to view (1 or 2): ");
        Scamer getUserNumber = new Scamer(System.in);
        int userNumber = getUserNumber.nextln(t);
        iffuserNumber = getUserNumber.nextln(t);
        iffuserNumber = getUserNumber.nextln(t);
        iffuserNumber = (1) {
            System.out.println("This car is running!");
        else
            System.out.println("This car is not running.");
        }
        else iffuserNumber==2)
        System.out.println("That is not a valid choice!");
    }
}
```

```
How can we start one of our cars?

1. We need to manipulate the car!

2. We need to change the running status!

3. We need a method (mini-program) that does it for us!

4. We need a method added to our Car class!
```

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```
Now, if a car is running ... we need to be able to turn it off!

Do you think you could do this on your own now?

Can you write the method called turnCarOff?
```

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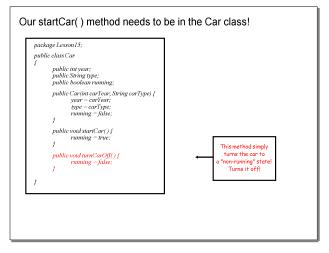
```
Here's the method ... it is simple!

public void turnCarOff()
{
    running = false;
}

Public - Remember it simply means this method is open for all to use!

void - For now, void means that we are making changes ... not having the method output anything.
(in other words nothing is being returned by startCar() ... just changing the state of running)
turnCarOff() - Simply the name of our method (no parameters needed!). We made our own method!
```

```
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```



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Things to do ...

- 1. Do you have Unit 4 WS01-04 completed?
- 2. Begin work on Unit 04 WS05 Classes & Objects 1

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