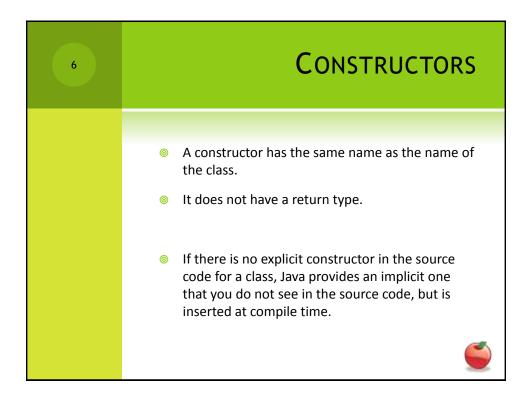


© Constructors are special methods that are called every time an object is created – they set up the initial state of our objects.

© Explicit constructors (ones that you can see in the source code) look like this:

public NameOfClass()

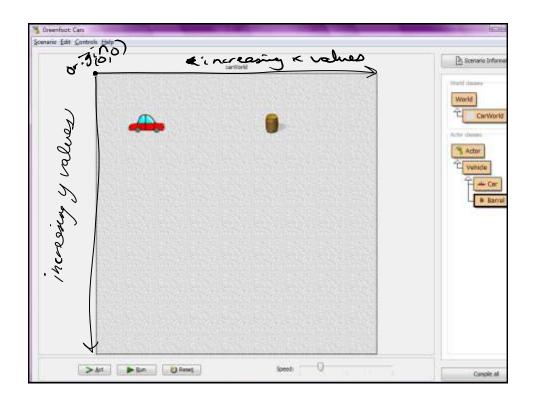
{
}

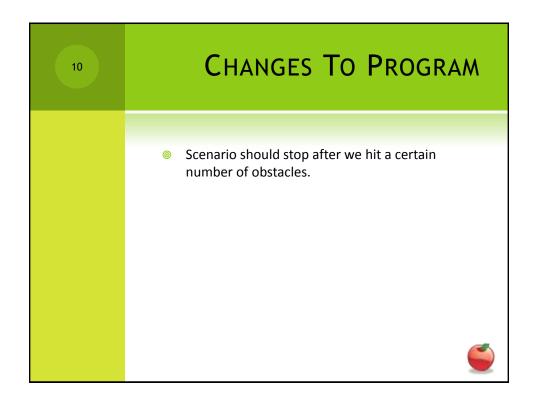


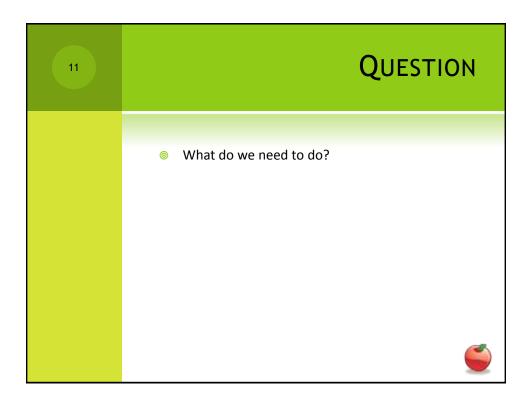
© Looking at the constructor of CarWorld, we can see a method call that looks like this:

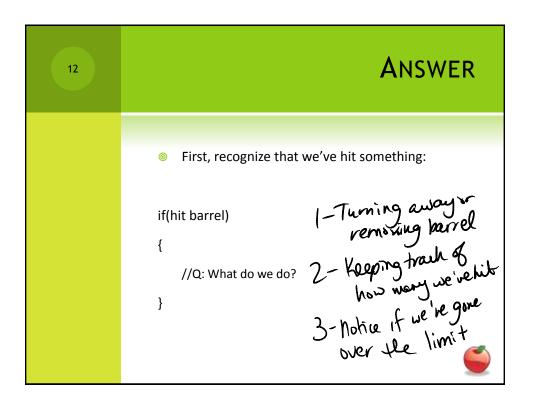
Super(x, y, z)

Here, we are not calling a method called super, but rather super is a keyword that indicates the superclass. In this case, we are calling the superclass' constructor.









```
if(hit barrel)
{
    turn away
    note that we hit another barrel
    if(we've hit too many)
    {
        stop scenario
    }
}
```

if (true) //hit barrel

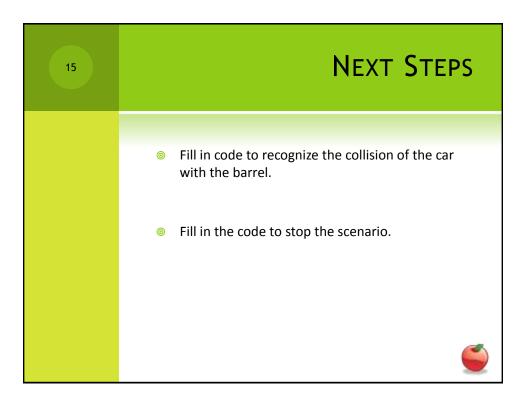
if (true) //hit barrel

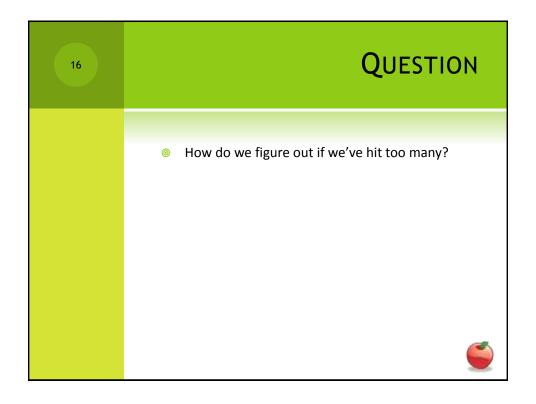
turn (45);

//note that we hit another barrel
if (false) //we've hit too many

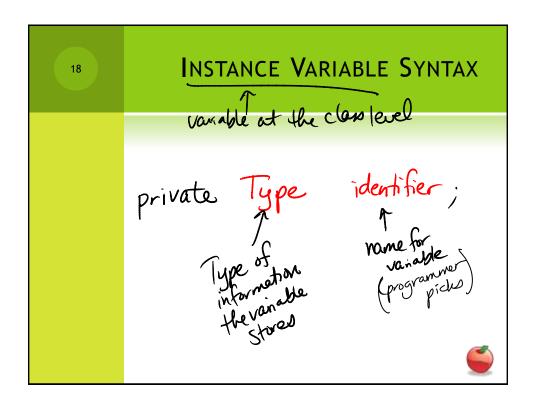
//stop scenario
}

}

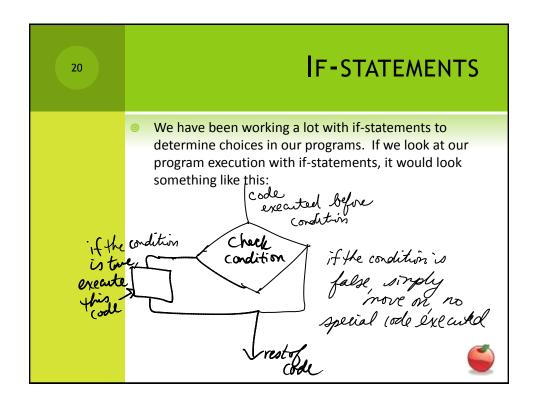


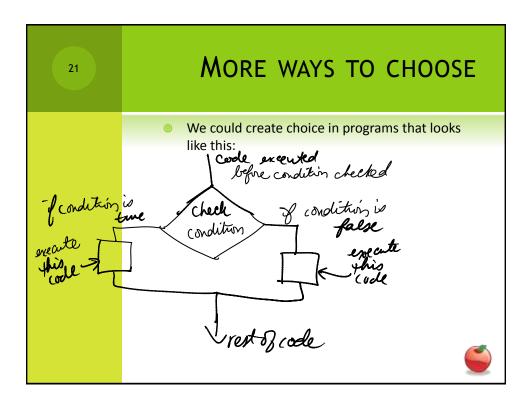


17	Variables
	Variables are used to store information.
	Instance variables store information important to the entire class.



19	Variables
	 After we declare the instance variables, it is good practice to give it an initial value.
	We would give an instance variable and initial value in the constructor of the class.
	⊚ Example
	_barrelsHit = 0;
	 Note that this expression uses the assignment operator (=) and takes the values on the right hand side and assigns them to the variable on the left hand side.





MORE WAYS TO CHOOSE
 That would be the notion of a choice when there is a definitive path when a condition is true and another path when the condition is false.
 In order to do this type of choice in code, we would need to use if-else statements instead of just if-statements.

if(/*boolean expression*/)
{
 //code to be executed if boolean expression is true
}
else
{
 //code to be executed if boolean expression is false
}