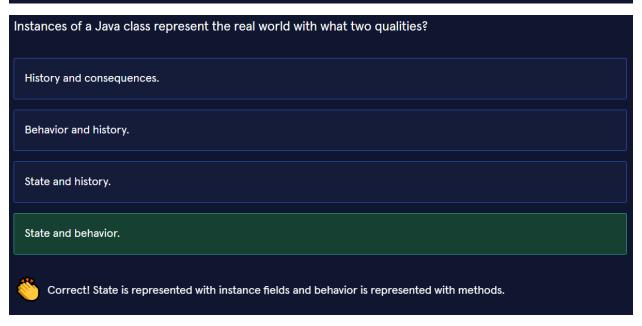
```
Complete the following class definition for a Bank class.

public class Bank {
    public static void main(String[] args) {
        // program tasks
    }
  }

You got it!
```



Every Java program contains at least one class.

True.

Correct! Java programs always require one class, and real-world programs can contain hundreds!

False.

```
Why will the following program produce an error?

public class Shelf {

String material;

public Shelf() {

}

public static void main(String[] args) {

Shelf bureau = new Shelf("pine");

}

No constructor method has been declared.

The instance field has an incorrect declaration.

bureau has the incorrect type.

The constructor does not have a parameter listed.
```

The main() method is automatically run when the .class file is executed.

True.

Correct! We never need to call main() ourselves.

False.

The Bank class has one instance field: branchLocationCount.

Complete the constructor method for this class.

public class Bank {
 int branchLocationCount;

public Bank(int numLocations) {
 branchLocationCount = numLocations;
 }
 public static void main(string[] args) {
 // program tasks
 }
}

What is the data type of the variable hedwig?

You got it!

```
public class Owl {
   String speak;
   boolean nocturnal;
   public Owl() {
      speak = "Hoot";
      nocturnal = true;
   }
   public static void main(String[] args) {
      Owl hedwig = new Owl();
   }
}
```

speak

nocturnal

0w1

Correct! The hedwig variable has a reference data type. When declaring a variable with a reference data type, the variable's type is the name of a class.

What is the signature of the following constructor?

```
public class Bug {
   String name;
   boolean ableToFly;
   int numberOfLegs;

public Bug(String bugName, boolean canFly, int numLegs) {
    name = bugName;
    ableToFly = canFly;
    numberOfLegs = numLegs;
   }
   public static void main(String[] args) {
     Bug ladybug = new Bug("Lady Bug", true, 6);
   }
}
Bug(double, String, boolean)
```

```
Bug(bugName String, canFly boolean, numLegs int)
```

```
Bug(name, ableToFly, numberOfLegs)
```

```
Bug(String bugName, boolean canFly, int numLegs)
```



Correct! A signature consists of the constructor's name and then the data type and name of each of its parameters.

The following class definition requires a parameter to be passed in to the constructor in order to make an instance.

```
public class Dinosaur {
  boolean isExtinct;

public Dinosaur(boolean extinct) {
   isExtinct = extinct;
}

public static void main(String[] args) {
   // program tasks
}
```

False.

True.



Correct! To make an instance of Dinosaur we need to pass a boolean into the constructor invocation.