Challenge #1: Override a Method using the Super Keyword

Can you override a method in a derived class with the help of super keyword? A solution is placed in the "solution" section to help you, but we would suggest you try to solve it on your own first.

WE'LL COVER THE FOLLOWING

Problem Statement

When a method in a derived class overrides a method in a base class, it is still possible to call the overridden method using the `super` keyword.

> If you write `super.method()`, it will call the method that was defined in the superclass.

You are given a partially completed code in the editor. The class `Shape` is the base class of the `XShape` class. You have to modify the `getName()` method of the devrived class, i.e `XShape`, so that the code returns the following:

Input

Derived Class Name

Output

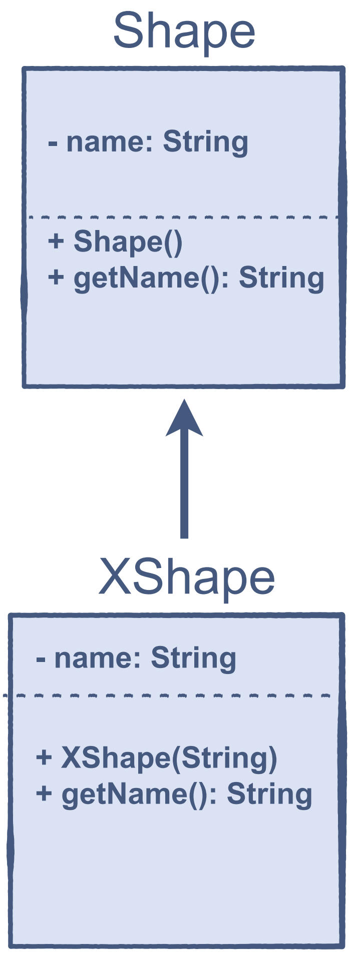
Base Class Name, Derived Class Name

Sample Input

```
Shape circle = new XShape("Circle");
```

Sample Output

```
"Shape, Circle"
```



Based and Derived Classes Structure

Coding Exercise

First, take a close look and design a step-by-step algorithm before jumping to the implementation. This problem is designed for your practice, so initially try to solve it on your own. If you get stuck, you can always refer to the solution provided in the solution review. Good Luck!

```
// Derived Class
class XShape extends Shape {

  private String name;
  public XShape(String name) { // Default Constructor
    this.name = name;

  }

  // Overridden Method
  public String getName() {
    // write your code here

    return this.name;
  }

}
```

The solution will be explained in the next lesson.