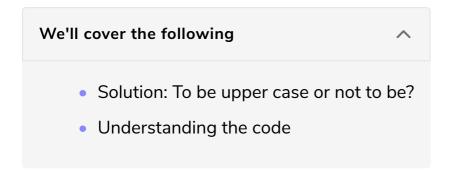
Solution Review: Playing With Strings

In this review, solution of the challenge 'Playing With Strings' from the previous lesson is provided.



Solution: To be upper case or not to be?

```
class challenge_four {
   public static String test(String x) {

      if (x.length() % 2 == 0) {
          return x.toUpperCase();
      }

      return x.toLowerCase();
   }

   public static void main( String args[] ) {
      String odd = "Hello";
      String even = "John";
      System.out.println( "Hello:" + test(odd));
      System.out.println( "John:" + test(even));
   }
}
```

Understanding the code

- **Line 4:** The **if condition** first finds the length of the input String. This is done by using the method, **x.length()**. Then it checks whether the length, when **divided by 2** gives a zero remainder or not. Given that the **remainder** is **0**, the input variable, **x** is **even** so *line 5* will be executed. If not, then jump to *line 8*.
- Line 5: returns the unner case String v

Elite of recards the appear case offing x.

• **Line 8:** Provided this **if** condition is not met, on **line 4** the **lower case** version of String x is **returned**.

Let's go through a *quick quiz* to test your understanding.