Programming Assignment 2-6

Create a Java class called Prog6 and a JUnit Test Case called TestProg6. Follow the instructions in Lecture 2 JUnit to create a JUnit Test Case.

Create a *static* method inside Prog6 called `removeDups`, which accepts an array of `String`s as its only argument. When the method is called, it creates a new array in which all duplicate `String`s in the original input array have been removed. This new array is then returned.

For example, if the input array is

```
["horse", "dog", "cat", "horse","dog"]
```

then the output would be the following array:

```
["horse","dog","cat"]
```

You will test your method `removeDups` in your class `TestProg6.` In that class, create a method called `testRemoveDups,` with `void` return type and no arguments. This method should pass in some array (hard-coded array is fine) to the `removeDups` method. For instance, you could store the sample input array described above in a variable

```
String[] testData;
```

To pass `testData` into `removeDups`, perform this call:

```
String[] result = Prog6.removeDups(testData);
```

After the call, the variable result should contain an array of `String`s without duplicates, and each of these `String`s should be an element of the original input array.

Verify that both these things are true. Use the JUnit function `assertTrue` to do tests.

NOTE: You must not use any "advanced" data structures to solve this problem – such as implementors of Java's `Set` interface (like `HashSe`t and `TreeSet`).