

The Thing About Strings Part 1 Notes

Team Treehouse

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- Objects references use double equal to check if they point to the same object in memory

```
1  Object firstObject = new Object();
2  Object secondObject = new Object();
3
4  System.out.println(firstObject == secondObject); // <- Returns
false
5
6  Object thirdObject = firstObject;
7
8  System.out.println(firstObject == thirdObject); // <- Returns true
9
```

Listing 1: lesson.01/Explore.java

- String Literals are actually referring to the same object

```
1  String firstObject = "String";
2  String secondObject = "String";
3
4  System.out.println(firstObject == secondObject); // <- Returns
true
5
```

- String object that contains the same characters but point to different objects cannot use double equals

```
1  String firstObject = "String";
2  String secondObject = new String("String");
3
4  System.out.println(firstObject == secondObject); // <- Returns
false
5
```

- String Interning adds to the same pool where string literals live, so it returns the same reference

```
1  String firstObject = "String";
2  String secondObject = new String("String").intern();
3
4  System.out.println(firstObject == secondObject); // <- Returns
true
5
```