EECS2030 Advanced Object-Oriented Programming
(Fall 2021)

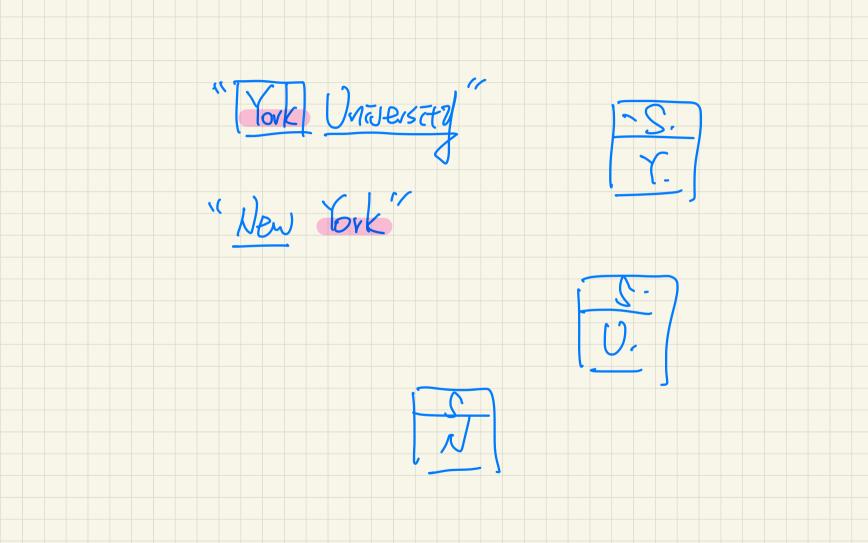
Q&A - Review Tutorial Part 2

Wednesday, September 22

Announcement

- Labope (due: Sep. 24) - Lecture W3 (released: Sep. 20)
- Lab1 (released: Sep. 22) g days Written Test (due: Sep. 30 Oct. 1)

Hello professor! In the tutorial video you said assertTrue(e.getSerialNumber() == F9DN4NKQ1GC"); Loupard 56 is not necessarily working & avoid! " using == to compare straig va but then you also said assertTrue(e.getProduct()) works. may fat [0] Can you please explain why the first one is wrong and the second one is right. Thank you! @Test public void test_entry_1() { Product(p) = new Product("iPad Pro 12.9", 1705.00); p.setFinish("Space Grey"); p.setStorage(1000); // 1TB p.setHasCellularConnectivity(true); p.setDiscountValue(220.00); assertIng(e.getSeriatNumber() == "F9DN4NK01GC"); // not necess rily working a ways wby? assertEquals("F9Dx4NK01GC", e.getSerialNumber()); assertTrue(e.getProduct() (==)p); save sting total



Why attributes should be private? D Attributes are mainly for implementation.

Detail well robber places partle should be short attributes

Should be return of short tributes

Should be return of short tributes

Strategrar are subject to shorts anstantly => when there's a change on a public attribute
all callers of lithis att. will be affected
outpitation avors - Some methods are private for internal
use only. - How can a Junt test method test it? D You cannot call upon that private method for the test method. E) You can areast some "Public accessor" for
Junt class
that method for testing pupose.

Note: Loss

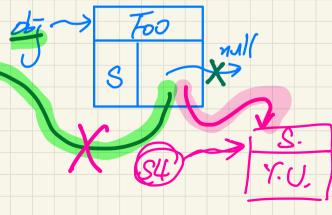
Prince with west accessed to E me); }

Method accessed to E me); }

String Literals vs. String Objects

```
public class StringValues {
   public static void main(String□ args) {
       String s1 = "York University"
       String sz = "York University"
       String s3 = new String("York University
     System.out.println("s1 == s2
    System.out.println("s1 == 43:
    System.out.println("s2 == s3: / + (s2/== s5)
    System.out.println("s1.eq als($2):  + s1.equals(s2));
    System.out.println("s1.equals(s1):|" { s1.equals(s3));
     System.out.println("s2.equals(s3): " +s2.equals(s3));7
       Foo obj = new Foo();
       System.out.printly("Set to a string literal value...");
       obj.fm(York University"
    System.out.printl(obj getS() == "York University");
    System.out.println(obj.getS().equals("York University"):
       String s4 = (new String("Vork University");
       System_out.println("Set to a new string value...");
       obj.fm(s4)
    System.out.println(obj.getS() == "York University");
    System.out.println(obj.getS().equals("York University"));
```

```
public class Foo {
    private String(s;)
    public void fm(String s) {
        this (s) = 1/4;
    }
    public String getS() {
        return s;
    }
}
```



I don't understand why the entries need to be this.noe - 1.

Is it because noe doesn't use 0 as the first element index?

So if noe is 4, then index for the most recent entry should be 3, considering 0, 1, 2 and 3 as the entries?

