EECS2030 Advanced Object-Oriented Programming
(Fall 2021)

Q\&A - Review Tutorial Part 2

Wednesday, September 22

## Announcement

-LabOP2 (due: Sep. 24)

- Lecture W3 (released. Sep. 20)
- Labl (released: Sep. 22) qday.
- Written Test (due: Sep. 30-Oct. 1)

Hello professor! In the tutorial video you said $\qquad$ most of time, when assertTrue(e.getSerialNumber( $==1$ F9DN4NKQ1GC") ; Comparing string values, you mean is not necessarily working to coupons but then you also said assertTrue(e.getProduct() =sp) works. mar fail. Can you please explain why the first one is wrong and the second one is right. Thank you!

"Youk Unijessicty"
"New York"

$$
\frac{5}{\underline{U_{i}}}
$$

Why attributes should be prisate?
(1) Attributes are mainh for anplementation.

$$
\Rightarrow \text { Chairide vels }
$$

ghaid le rate en

(2) levine (2) For long-lared pojectss, imp. strategreer are subbecce to marges constanity.
$\Rightarrow$ when theve's a change on a pubtre atterbute all callers of thiss ate. will be affeceed auplatoron errors

- Some methods ave private for internal use only.
- How can a Jurist test method text it?
(1) You cannot call upon that pronate method fou the test method.
(2) You can create some "public accessor" for $\rightarrow \quad$ Jutted close coss method for testing purses.


String_Literals vs. String_Objects
public class StringValues \{
public static void main(String[] args) \{
String $\mathrm{s}^{1}=$ "York University"
String $52=$ "York University";
String $\underline{\underline{S}}=$ new String $($ "York University"),
(1) System.out.printlnc"s1 == s2
(2) System.out.println("s1 == 3: " $+(\mathrm{s} 1=\mathrm{s} 3)), \mathrm{F} \rightarrow Y \mathrm{Y}_{0}$
(3) System. out.println("s2 $=s 3: \quad+\left(s_{2}=-50\right) ; F$
(4) $s y s t e m . o u t . p r i n t l n(" s 1 . e q$ als(s2): + s1.equals(s2)); $T$
(5) System. out.println("s1.equals(s): " s1.equals(s3)); $T$
(b)

System.out.println("s2.eqyals(s3):
Foo obj = new Foo();
System.out.printt ("Set oo a string l. feral value...); obj.fm( (York University"),
T CO System.out.printl (obj .getS() =="York University"];
T (8)System.out.println(obj.getS().equals("York University"
String $s 4=$ new String (work University");
System println("Set to a new string value..."); obj.fm(s4)
F (4) System.out.println(obj.getS() == "York University");
(10)System.out.println(obj.getS().equals("York University"));
public class Foo \{
private String
public void fm(String s) \{ this. $s$ = $=\bar{x}$;
$\}$ obj
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?

reveals


