EECS2030 Advanced Object-Oriented Programming (Fall 2021)

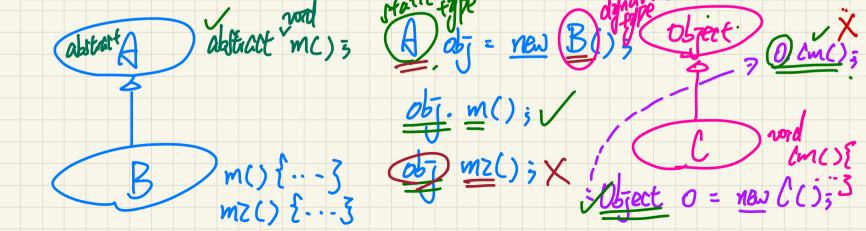
Q&A - Lecture 6, 7a

Wednesday, November 24

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21005001: Nov. 23) Announcement - Lecture W11 (released: Nov. 23) - Lab5 due Monday, December 6 - Written Test 3 - Programming Test 3 4. 1. Simple example test
2. Label

(Part A2, Timestamp: 9:45) Professor, as you said in this video, methods that are not abstract and are not explicitly written in a parent class can cause problems if they are defined only in sub classes and then called.

As we know that Object class is the parent of every class in Java, then when we declare some method in our newly created class that inherits from the Object class, how will calling this method not cause a compilation error because not every method that we declare are in Object class and they are not abstractly defined.



I've heard some programmers say that certain books about code have been very influential to them. Do you think this is still a relevant learning method given our access to sources like StackExchange/youtube? Are there any books that made an impact on you?

Written Test 3 Example Questions

```
Consider the following classes, where we use print to abbreviate System.out.println:
                                                      class C {
class A extends B {
                           class B extends C {
                                                        C() { }
 A() \{ \}
                            B() \{ \}
                                                       void bm(){print("C.bm");}
                                  class F extends D {
class D extends C {
                                                                     class E extends F {
                                    F() { }
 D() { }
                                                                      E() \{ \}
                                    void bm(){print("F.bm");}
 void cm(){print("D.cm");}
                                                                      void dm(){print("E.dm");}
                                    void em(){print("F.em");}
```

```
1  D d1 = new C();
2  C d2 = new D();
3  d2.bm();
4  D e1 = new E();
5  d2 = e1;
6  d2.bm();
7  F f = e1;
8  e1.em();
```

- Sketch paper ready

- Olvaw the corresponding inheritance

hreranty dragram.

