

CP 213 Lecture 17 Start

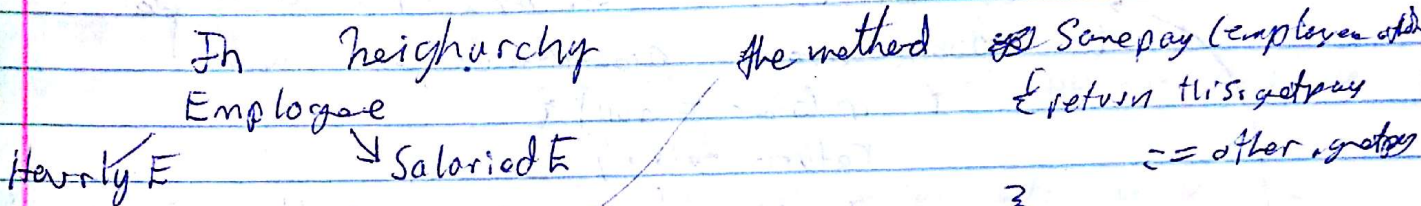
A bad copy will copy an array of 2 classes as a single class array

A good copy will allow object typing to remain in fact

All objects have clone method that will create

exact copy → But copies w/ references will point to the same reference

For that reason it is advised to over write clone



won't run because get pay doesn't

exist in the employee class

must define abstract method

↳ makes class abstract

```
public abstract double getpay();
```

CP 213 Lecture 18 Start

Oct 28th 2016 CE

Abstract classes

An abstract method can't be private

↳ has no body ends w/ semi colon;

A class w/ abstract method is an abstract class

↳ can have any number of abstract or normal methods

If a subclass of abstract ^{class} method does not define all abstract methods it too is abstract

Abstract classes need defined subclasses to be called

An abstract class allows a method that can't be defined yet to be comparable in sub classes

This is called polymorphism

While you can't call abstract class

↳ An abstract class is a type