

Nov 2nd 2016

CP213 Lecture Start

Inheritance & Inner Classes

Emp1 (Abstract) get pay (abstract)

An interface is an extreme example of Abstract class

↳ has no calling method

↳ IS not a class

↳ defined w/ word Interface instead of class

```
public Interface Class OrderedHourlyEmployee  
{  
    public boolean precedes (Object other)  
    {  
        if (other == null) {  
            return false;  
        }  
        else if (!(other instanceof HourlyEmployee))  
            return false;  
        else {  
            OrderedHourlyEmployee otherOrderedHourlyEmployee  
                = (OrderedHourlyEmployee) other;  
            return (get pay() < otherOrderedHourlyEmployee.get pay());  
        }  
    }  
}
```

Extends HourlyEmployee implements Ordered Interfaces are implemented

An interface & all its methods must be public

```
public Interface Ordered {  
    public Boolean precedes (Object other);  
}
```

```
public Boolean follows (Object other);  
}
```

Can implement as many Interfaces as you like

A class that implements interface but not all of it must be declared abstract