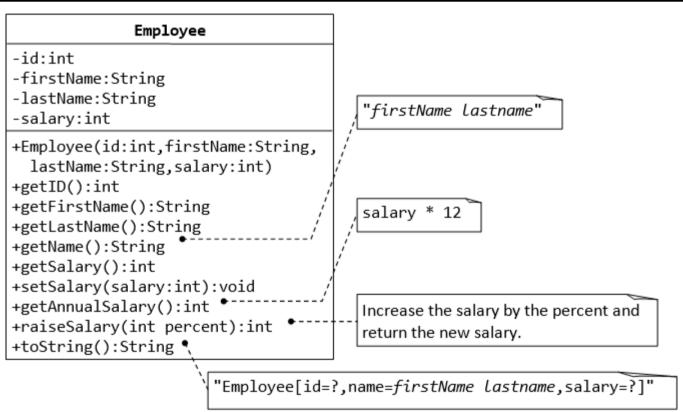
Exercises in Classes

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1 The **Rectangle** Class

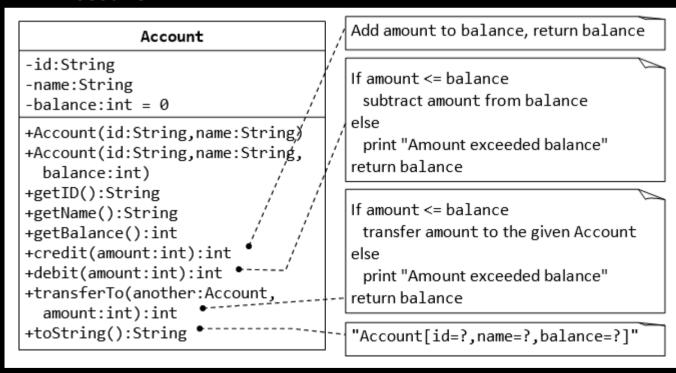
2 The **Employee** Class



3 The InvoiceItem Class

```
InvoiceItem
-id:String
-desc:String
-qty:int
-unitPrice:double
+InvoiceItem(id:String,desc:String,
  qty:int,unitPrice:double)
+getID():String
+getDesc():String
+getQty():int
+setQty(qty:int):void
+getUnitPrice():double
+setUnitPrice(unitPrice:double):void
                                             unitPrice*aty
+getTotal():double
+toString():String •
          "InvoiceItem[id=?,desc=?,qty=?,unitPrice=?]"
```

4 The Account Class



5 The Date Class

```
Date
                                           day = [1, 31]
-day:int
                                           month = [1, 12]
-month:int
                                           year = [1900, 9999]
-year:int
                                           No input validation needed.
+Date(day:int,month:int,year:int)
+getDay():int
+getMonth():int
+getYear():int
+setDay(day:int):void
+setMonth(month:int):void
+setYear(year:int):void
+setDate(day:int,month:int,year:int)
  :void
                                           "dd/mm/yyyy" with leading zero
+toString():String
```

6 The Time Class

