"Has a" vs. "Is a"
Or, a complete review of all this confusing inheritance stuff.
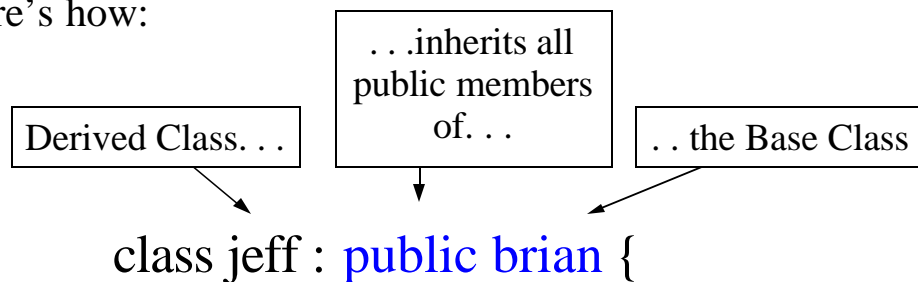
Fill in the blanks:

Based on our last homework, a flight database _____ at least one instance of class flight (hopefully several of them).

Now, thinking of inheritance, a derived (or sub-) class _____ an instance of a base class.

What do these mean?

How do I tell the computer I want to inherit something from a class?

Here's how:

| Derived Class. . . | . . .inherits all public members of. . . | . . the Base Class |

class jeff : public brian {

Translation in plain English:

- Class **jeff** gets to use all the public items of class **brian**.

- An item of class **jeff** is now ALSO an item of class **brian.** The two classes are nearly interchangeable, since the derived class is guaranteed to have at leas the same data as the base class.

How we do it in pictures: