2.9: Objects

One last word about type safety, and one first word about objects. You can define your own data types in Java, just as you can in C or in Visual Basic. In C, you can define structs:

```
typedef struct foo { int x,y,z; }
```

In Visual Basic, you can define TYPEs:

```
Type foo
    x As Integer
    y As Integer
    z As Integer
end type
```

In Java, you define classes. You can define classes which are just like the "foo" type above:

```
class Foo { int x,y,z; }
```

Then you can, for example, define a function that returns a Foo object:

```
Foo makeFoo()
{
    Foo f = new Foo();
    f.x = 10;
    f.y = 20;
    f.z = 30;
    return f;
}
```