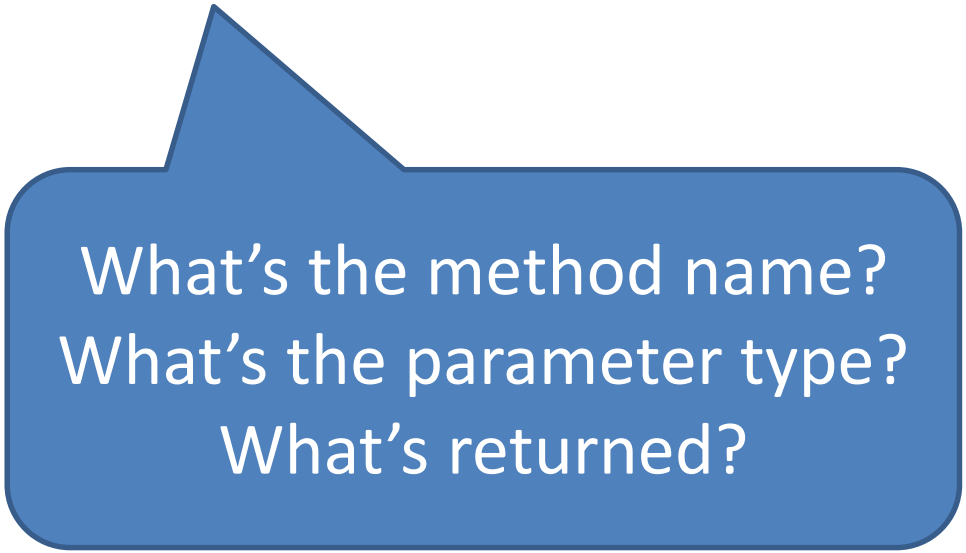
You've Already Been Using Methods

It's sad but true....

This is a method call

– you can tell because it's got brackets....

```
System.out.println("Hello world");
```



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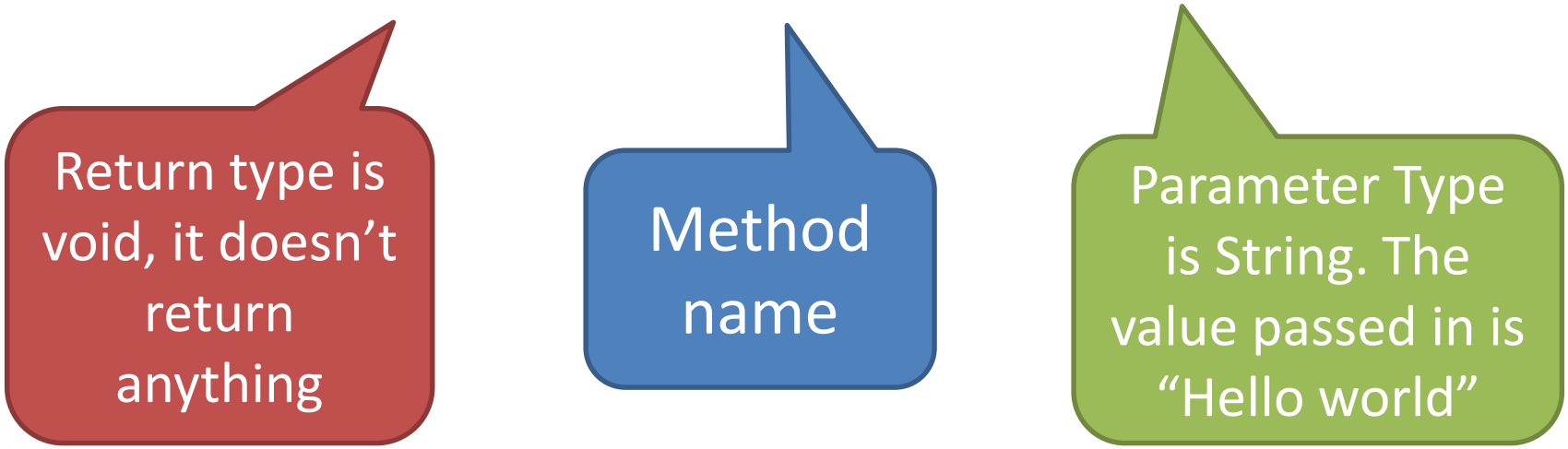

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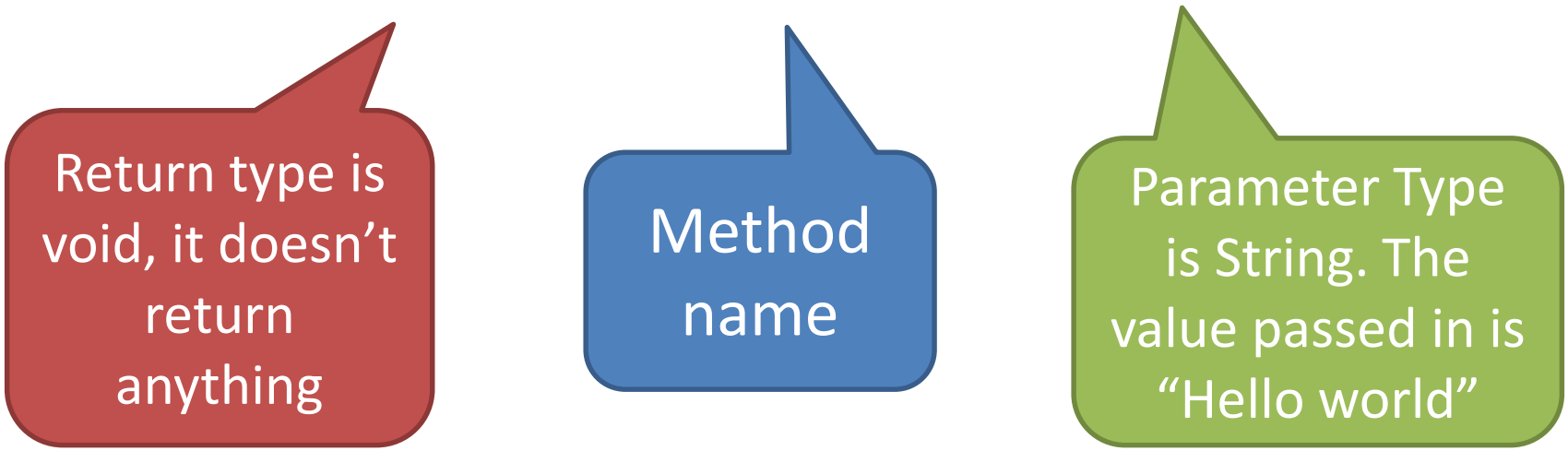

So in the System.out class, we have:

```
public void println (String msg)
{
    magic code that actually
        puts msg on the screen.
}
```

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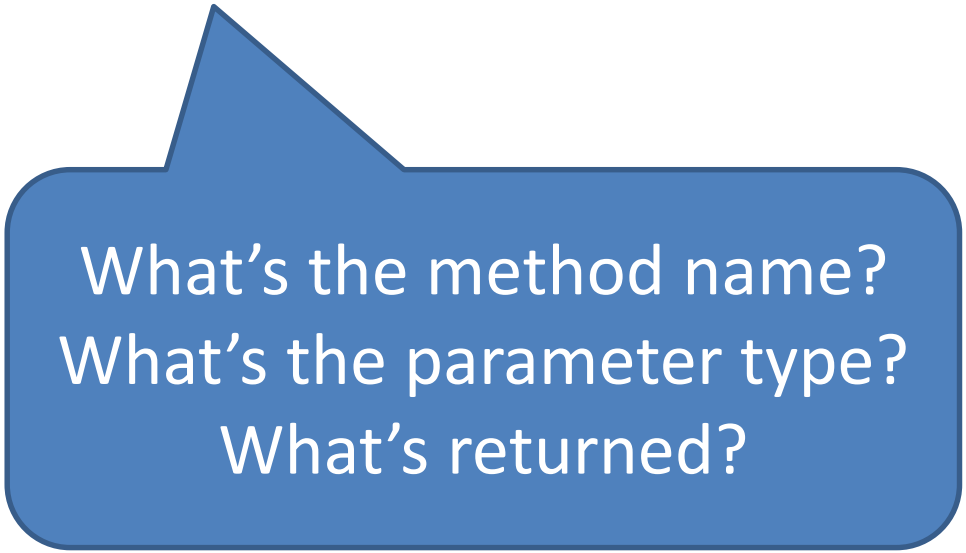
```
double ans = Math.pow(4,3);
```



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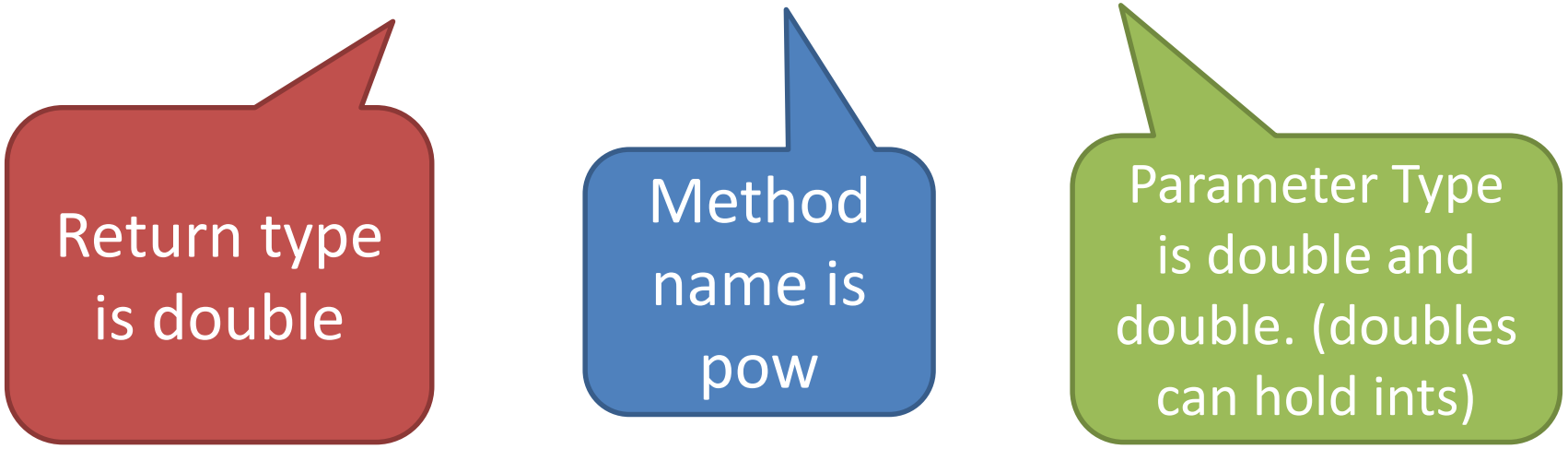

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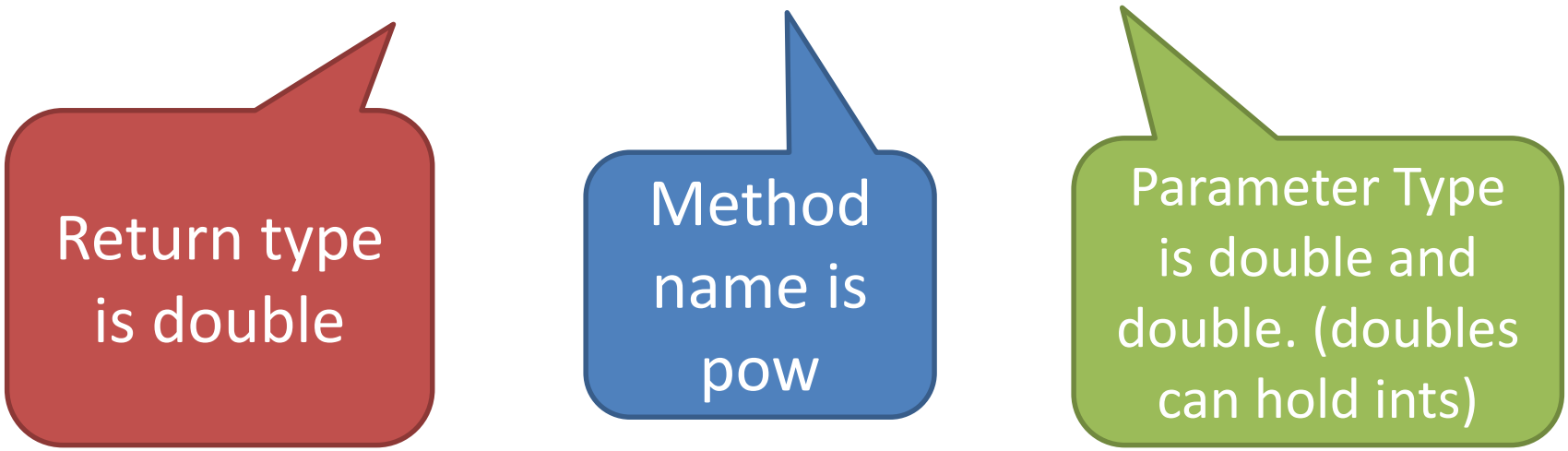


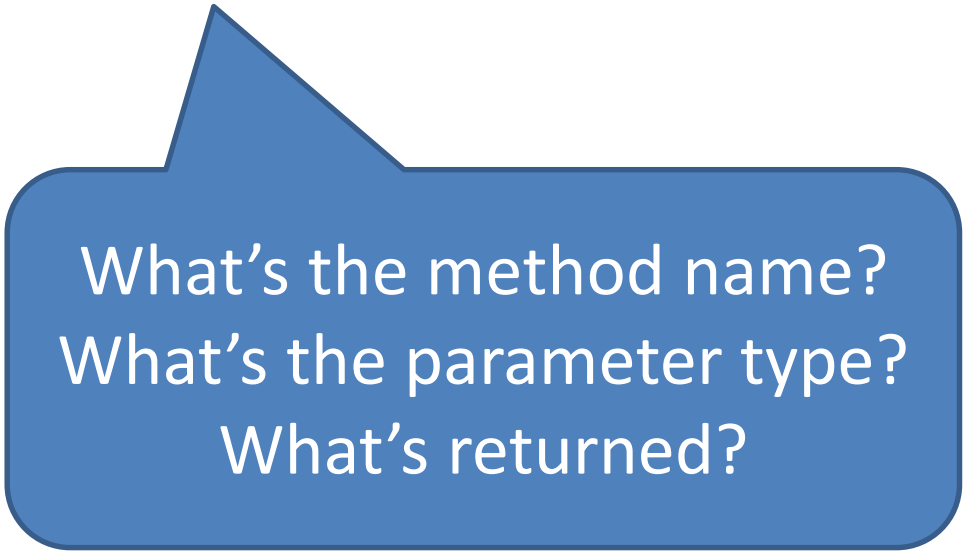
So in the Math class, we have:

```
public double pow (double base, double power)
{
    magic code that actually calculates
      the answer and returns a double.
}
```

This is a method call

– you can tell because it's got brackets....

```
int num = IBIO.inputInt("Number? ");
```



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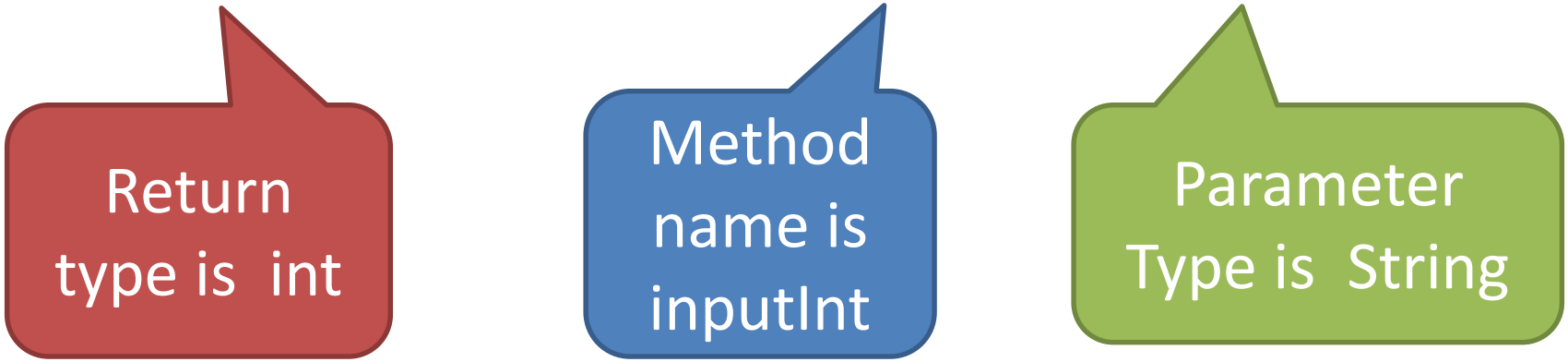

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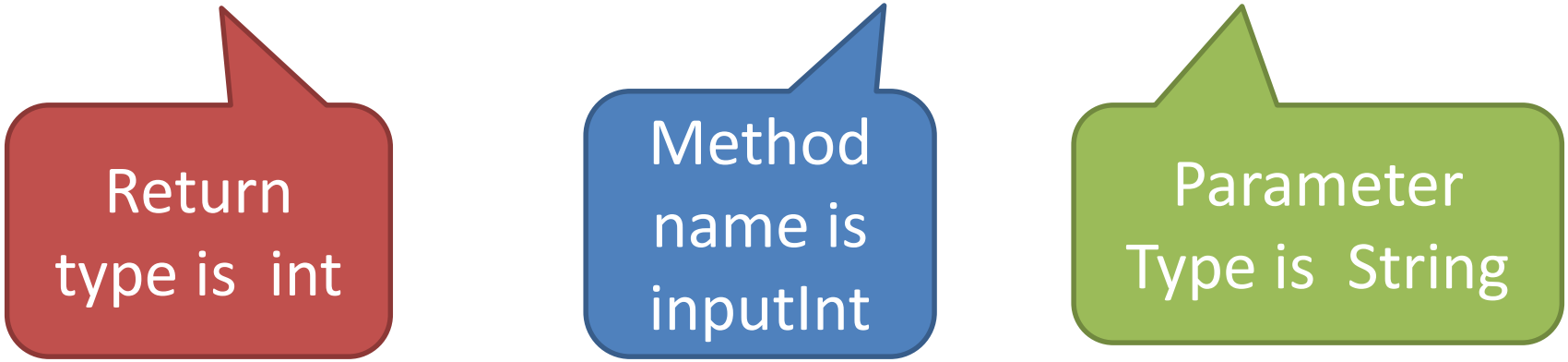
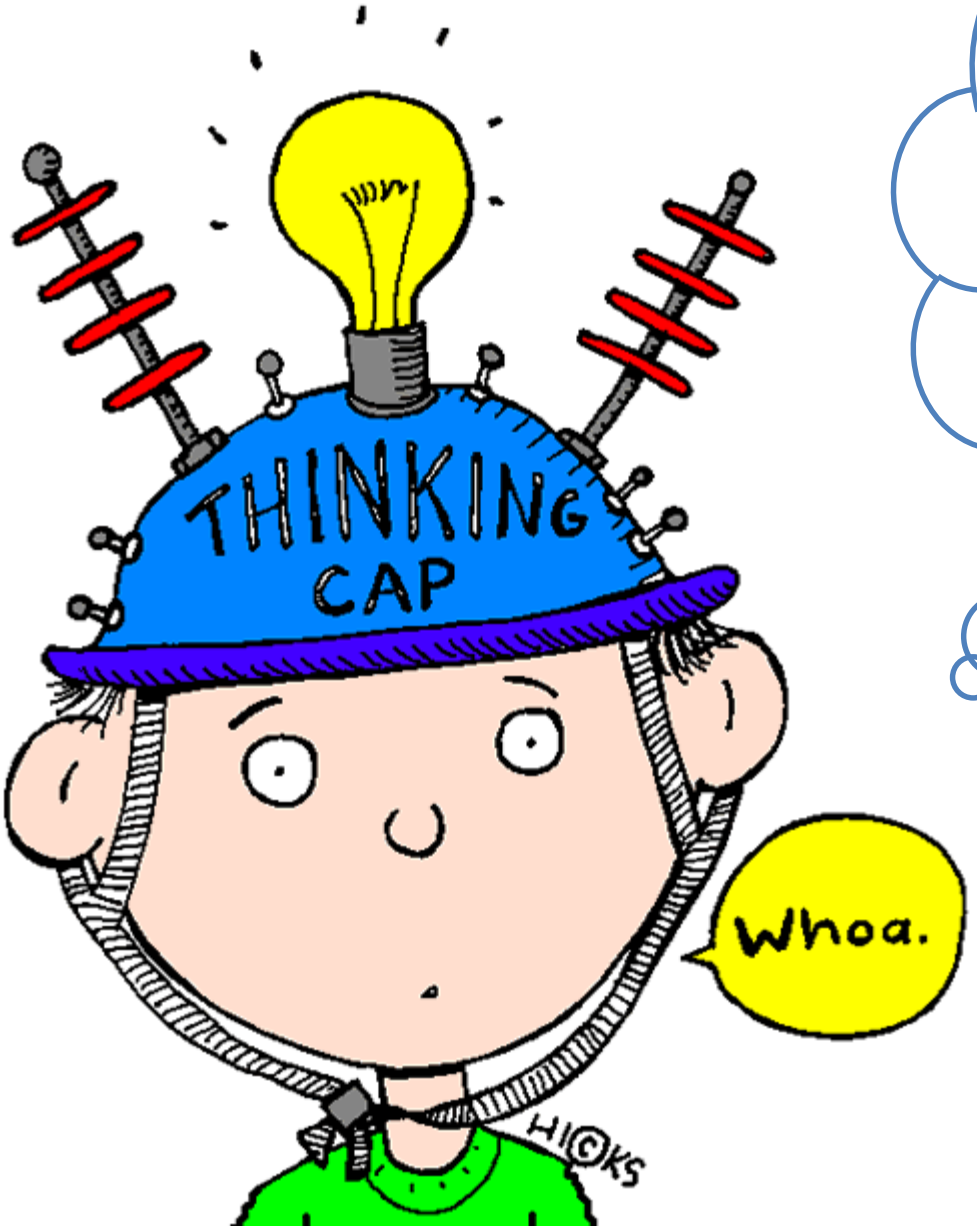


So in the IBIO class, we have:

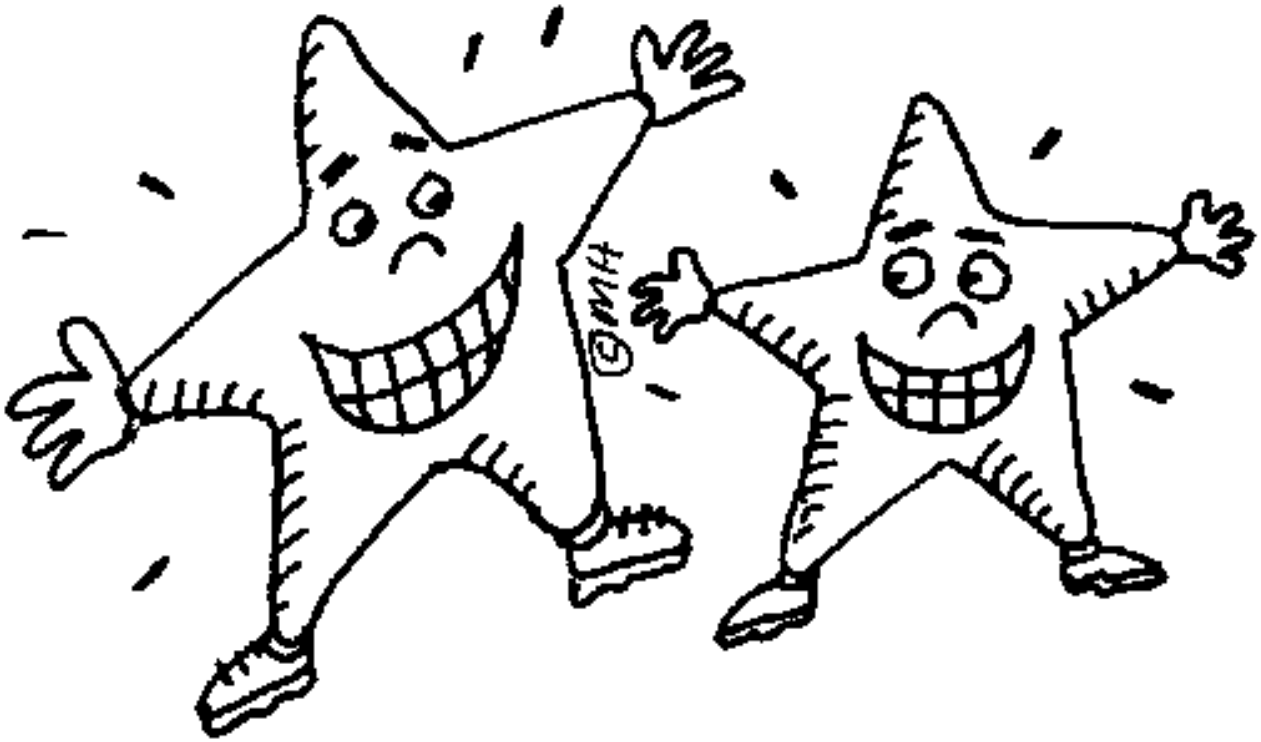
```
public int inputInt (String msg)
{
    magic code that actually prints msg, gets
     the user input and passes back an int.
}
```



It seems that you've been using methods since day 1.

Once upon a time (this was about 1 month ago), when you were a brand new programmer, you didn't know very much about coding.

Methods allowed you to skip over the complicated stuff. An advanced programmer would write a method and YOU would just call it.



useful

So here is one important reason methods are useful: You can use them with out understanding them.

Methods allow you to build on other people's knowledge.