

Making Methods:
void, with input parameters

Mr. Neat
Java

Making Methods:

void, **with** input parameters

- so far we have:
 - used lots of methods that others have written
 - written void methods that take no input parameters
- now we are going to write void methods with input parameters

Making Methods:

void, **with** input parameters

Let's say we want to output the lyrics to “Let it Go” a specific number of times.

```
System.out.println("The snow glows white ");  
System.out.println("on the mountain tonight ");  
System.out.println("Not a footprint to be seen ");  
...
```

Let's do it!

Making Methods:

void, **with** input parameters

cntrl C, cntrl V

cntrl C, cntrl V

cntrl C, cntrl V

...

Any time you find yourself copying
and pasting when writing code, there
has to be a better way...

Making Methods: void, with input parameters

Define the method writeSong(int num)

public static void writeSong(int num)

method name

num is an
integer
input
parameter

doesn't return
anything

created in the same
class as main()

can be used
outside of the
file created

Making Methods: void, with input parameters

Define the method writeSong(int num)

```
public static void writeSong(int num)
{
    int c = 0;
    while(c < num)
    {
        System.out.print("The snow glows white ");
        System.out.print("on the mountain tonight ");
        System.out.println("Not a footprint to be seen ");
        c = c + 1;
    }
}
```

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Use the method writeSong()

```
public static void main(String args[])  
{  
    writeSong(5);  
}
```

```
// this code will output the lyrics to  
// “Let it Go” 5 times
```

Making Methods: void, with input parameters

What if you call the method multiple times?

```
public static void main(String args[])  
{  
    writeSong(3);  
    writeSong(20);  
    writeSong(11);  
}
```

// this code will write the lyrics out 34 times!

Making Methods: void, with input parameters

Why is this good?

You could SELL your writeSong(int num) method to someone that wanted the “Let it Go” lyrics printed a specific number of times.

The code is packaged!

Next Lab...

- make a method in your starter class that allows the user to choose the number of boxes that appear on the screen.
- the header for the method should be:
`public static void makeBoxes(int nb)`
- test it!