

Making Methods:  
void, no input parameters

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Java

# Making Methods:

## void, no input parameters

- so far we have been using existing methods
- each class has their own methods
  - what is a method from the EasyReader class?
  - what is a method from the Rectangle class?
  - what is a method from the Text class?
- Now we are going to make our own method

# Making Methods: void, no input parameters

Let's say we want to output the lyrics to “Let it Go”.

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

# Making Methods: void, no input parameters

What if we wanted to do it again?

cntrl C, cntrl V

cntrl C, cntrl V

cntrl C, cntrl V

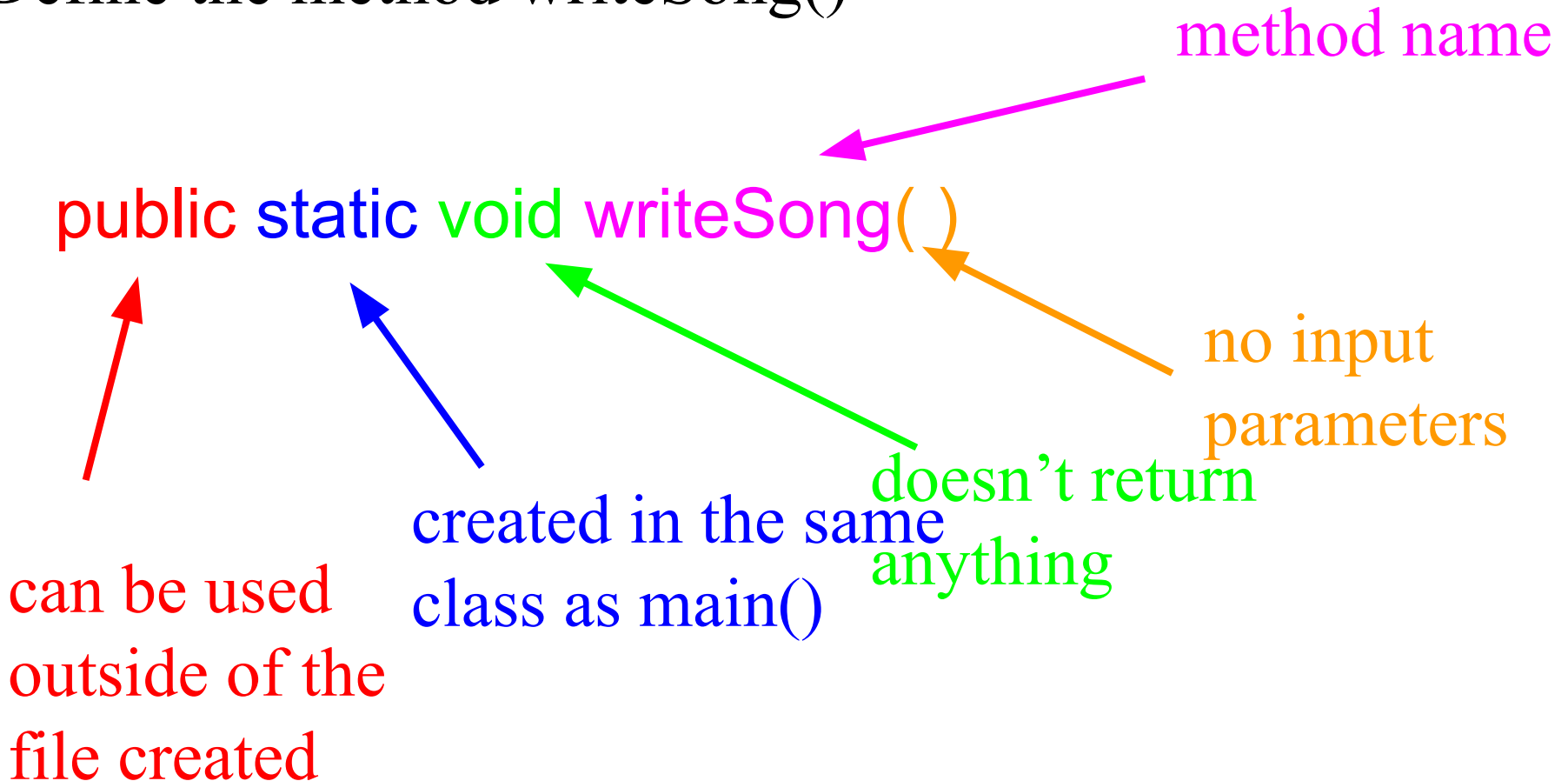
...

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

# Making Methods:

## void, no input parameters

Define the method writeSong()



# Making Methods: void, no input parameters

**Define** the method writeSong()

```
public static void writeSong( )  
{  
    System.out.println("The snow glows white ");  
    System.out.println("on the mountain tonight ");  
    System.out.println("Not a footprint to be seen ");  
}
```

# Making Methods: void, no input parameters

Use the method writeSong()

```
public static void main(String args[])
{
    writeSong();
}
// this will go to the method you wrote and run all of the
// commands in the method one time
```

# Making Methods: void, no input parameters

What if you want to see the song multiple times?

```
public static void main(String args[])
{
    writeSong();
    writeSong();
    writeSong();
}
// this will write the lyrics our 3 times!
```



# Making Methods: void, no input parameters

Why is this good?

You could SELL your writeSong() method to someone that wanted the “Let it Go” lyrics printed. The code is packaged!

# Next Lab...

- make a method in your starter class that makes the “roads”.
- the header for the method should be:  
`public static void makeRoads()`
- test it
- note: the output of your program will look the same as when you didn't have a method