

# Step Into Java: Make a Method

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Java

# Let's Clean Up Our Code

A bit - ha

- Note any repeated operations
- Examples
  - Output arrays
  - Translating units from English to metric
  - Printing a message

# Example – no method

- Write 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 “);  
...
```

# Example – no method

- What if we wanted to do it again...

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

# Example – with method

- Write a method like readInt() from the EasyReader class
- Method will be in same file
- Syntax:

```
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 ");  
    ...  
}
```

# Example – with method

- Call the method in your psvm

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

```
// this will go to the method you wrote and run all of the  
// commands in the method
```

# Example – with method

- What if you want it multiple times...

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

// this will write the lyrics our 3 times!

# Lab

Write an app that writes 10 random numbers to the screen horizontally. You decide the range of the numbers. Put a space between each number.



# Example Lab Output

17 3 41 21 33 7 46 27 9 2