

For Loops and Java

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Do Now (5 min)

With your table discuss how to get Java to output this.

Hint...How do we print to the console in java?



```
Java is fun  
Java is fun  
Java is fun  
Java is fun  
Java is fun
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

Java is fun

Java is fun

Java is fun

Java is fun

Java is fun

Learning Targets

I can describe the purpose of each part of a for loop.

- ☐ Initialization
- ☐ Check the exit condition
- ☐ Increment

I can create a for loop to make my code more efficient.

Hook

Jump 2 times

Wait 1 seconds

Jump 2 times

Wait 1 seconds

Jump 2 times

Wait 1 seconds

Jump 2 times

Wait 1 seconds

Jump 2 Times

Wait 1 seconds

Turn and Talk

How many times did you jump in total?

Which instructions get repeated?

Can you come up with an **optimized** way to give the same instructions?

Jump 2 times

Wait 1 seconds

Jump 2 times

Wait 1 seconds

Jump 2 times

Wait 1 seconds

Jump 2 times

Wait 1 seconds

Jump 2 Times

Wait 1 seconds

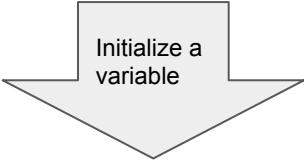
D
R
Y

Don't
Repeat
Yourself

In Java

Say I wanted to print *

```
Java is fun  
Java is fun  
Java is fun  
Java is fun  
Java is fun
```



Initialize a
variable

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
System.out.println("Java is fun");
```

```
for(int counter = 0; counter < 5;  
count++){  
    System.out.println("Java is fun");  
}
```