

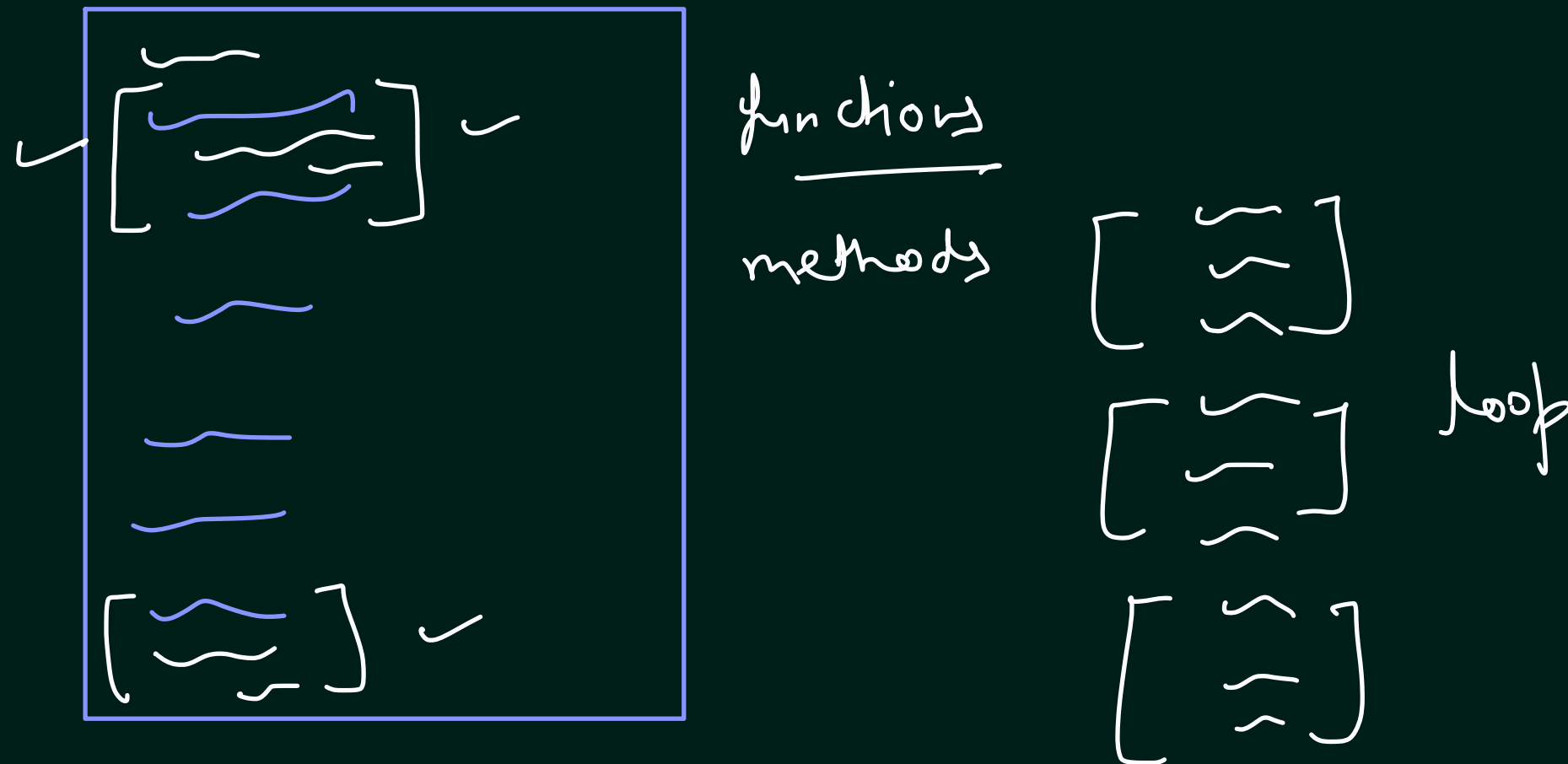
Methods in Java

In This Lecture

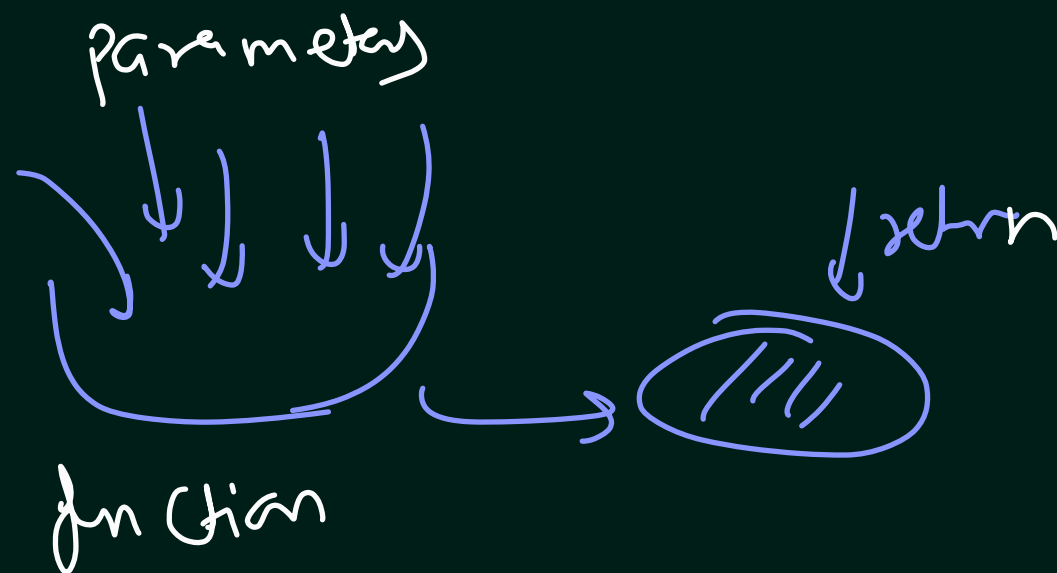
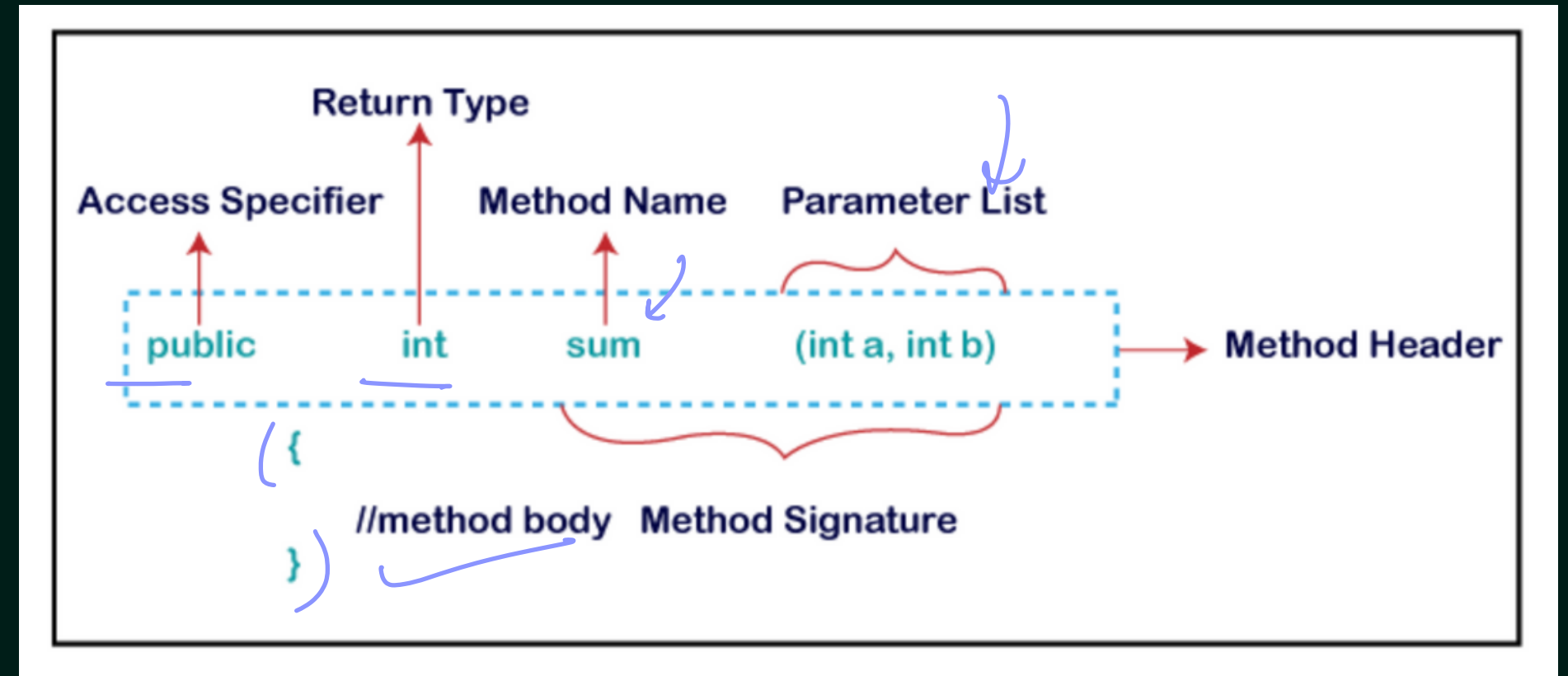
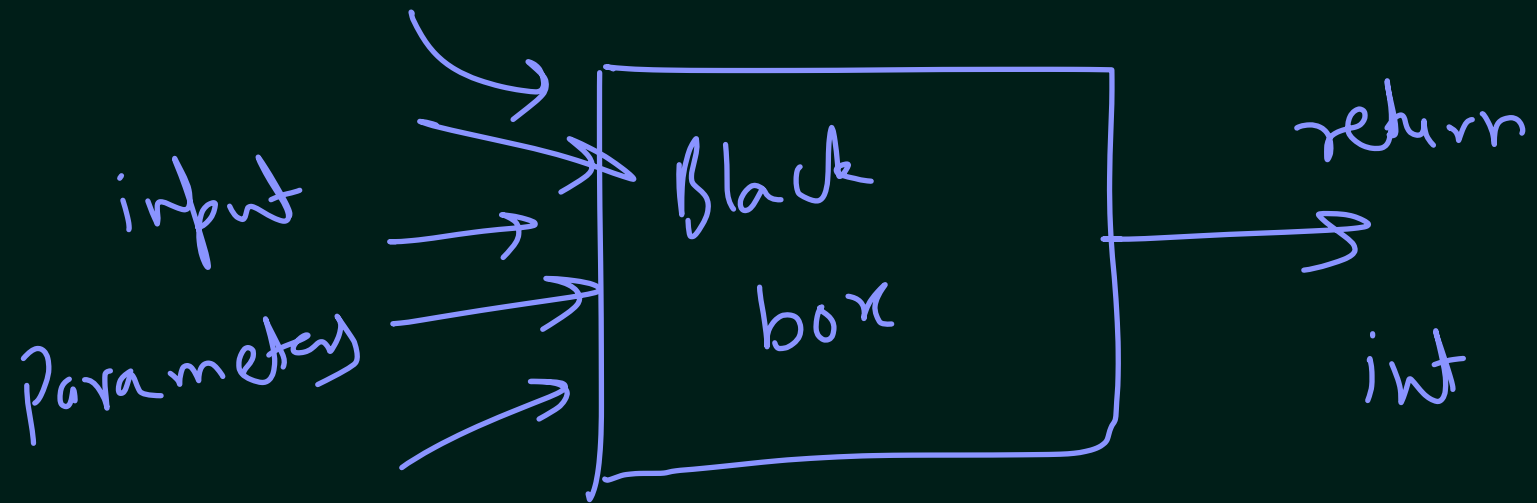
1. How do the functions work? ✓
2. Declaring a Java Method ✓
3. Calling a Method
4. Method return type
5. Method Parameters
6. Math Library Methods ✓

How do the Methods work?

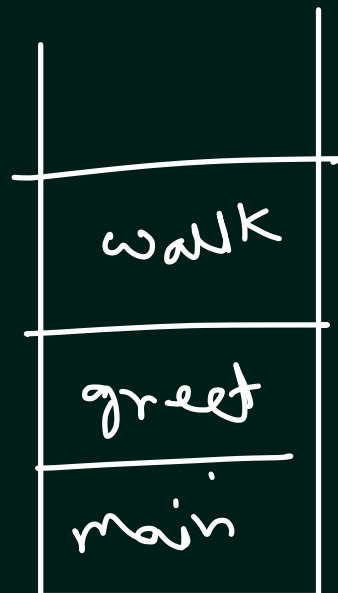
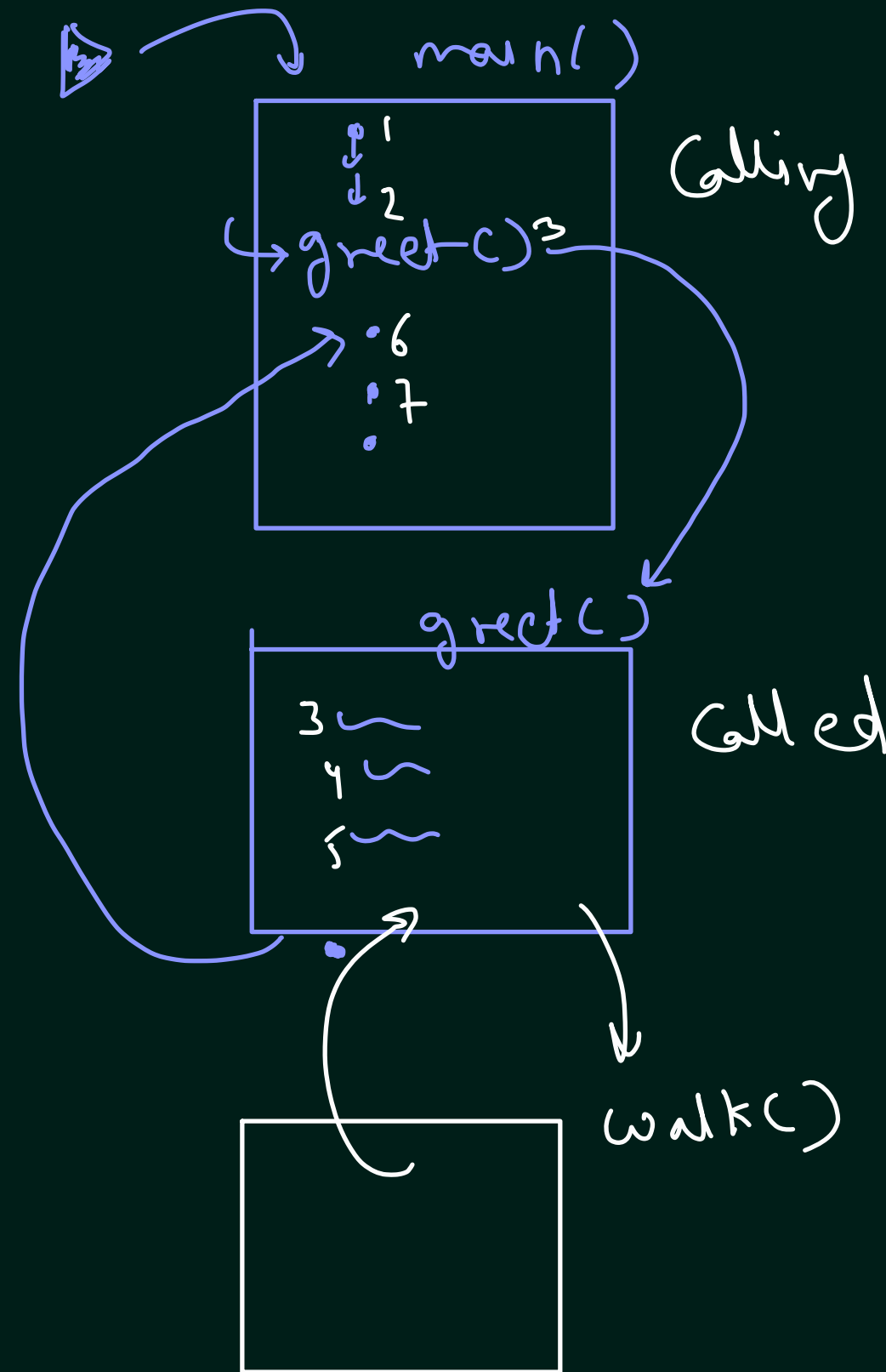
✓ A method is a block of code or collection of statements or a set of code grouped together to perform a certain task or operation. It is used to achieve the reusability of code.



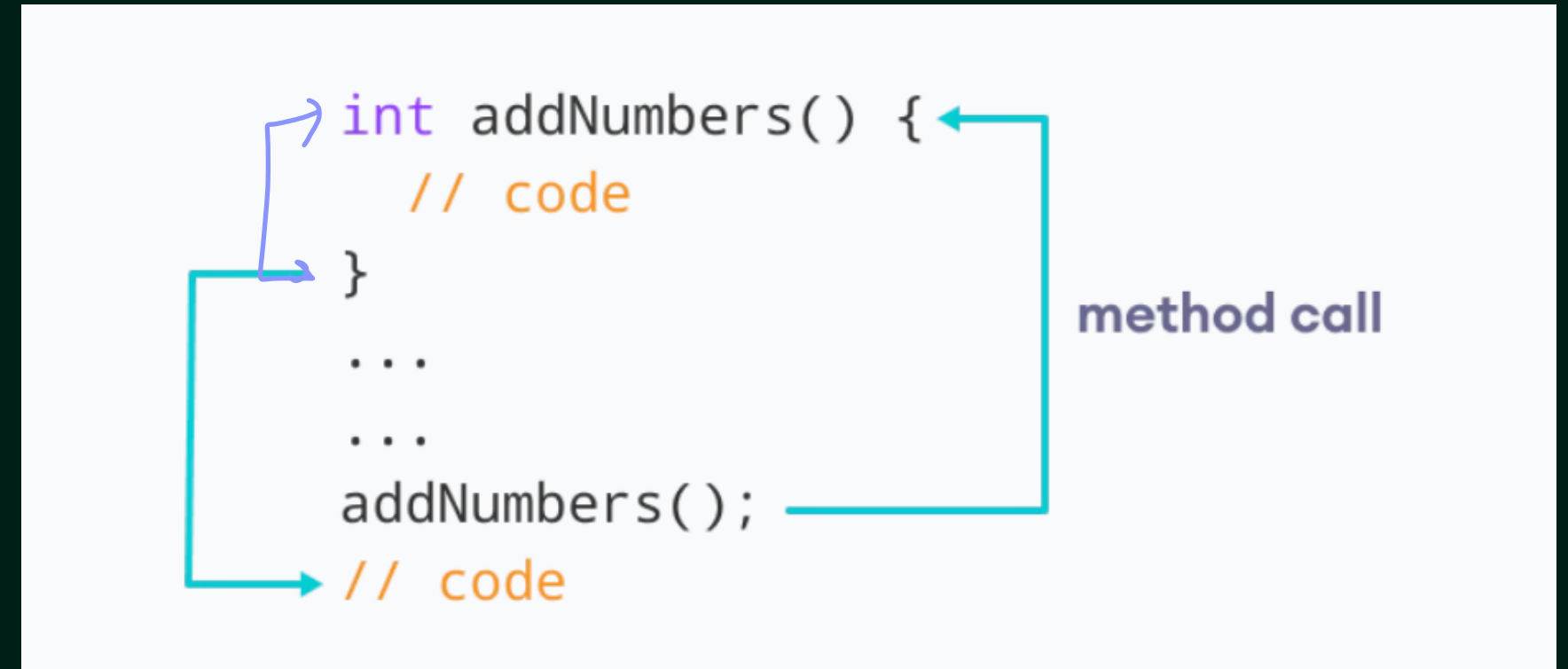
Components of a Method



Calling a Method

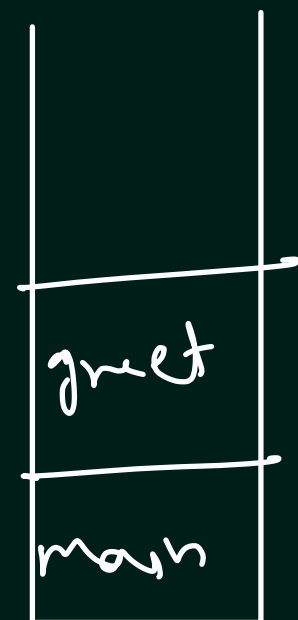


Recursive Stack

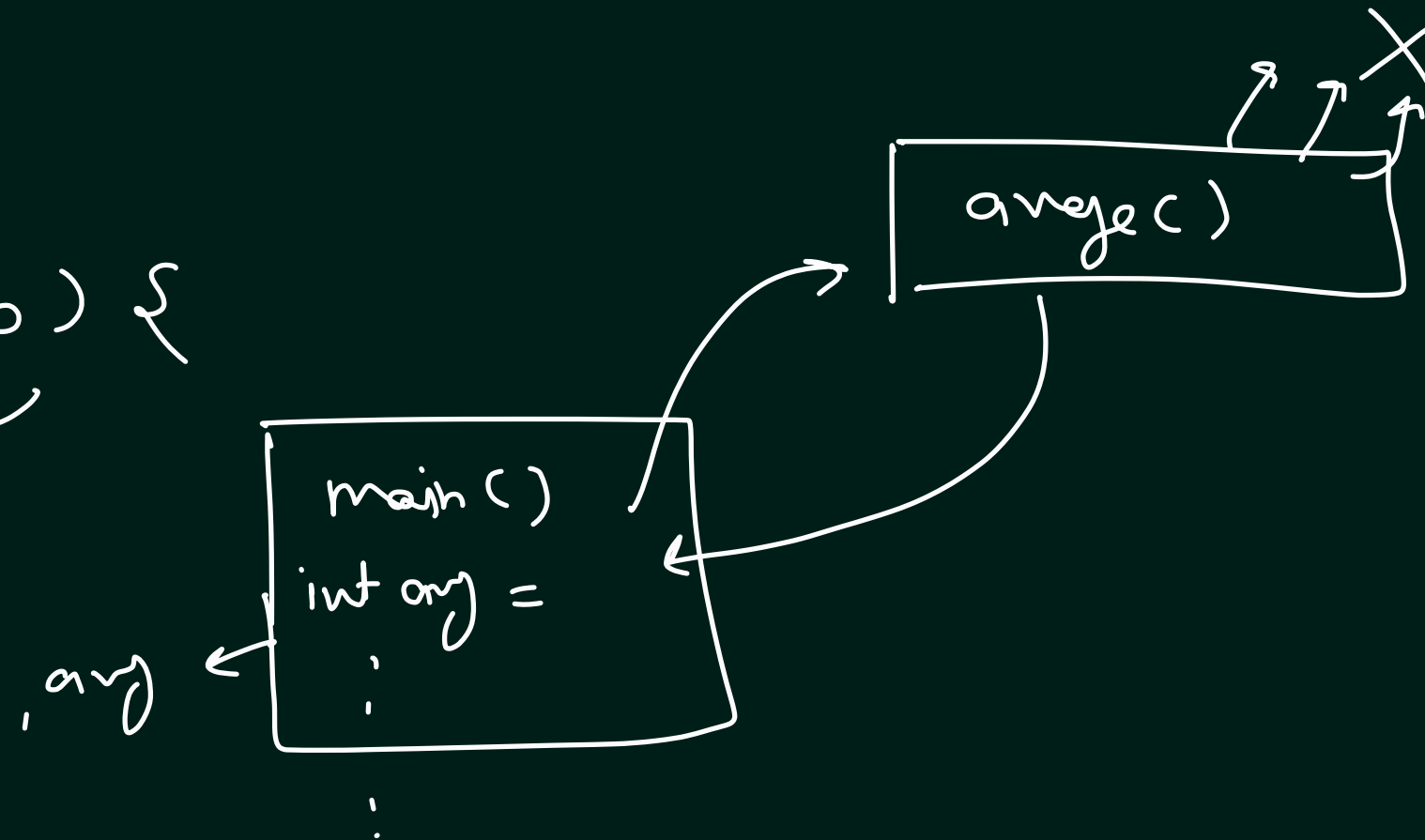


Method Parameters

A method parameter is a value accepted by the method. As mentioned earlier, a method can also have any number of parameters.



```
average (int a, int b) {  
    parameters  
    return avg;  
}
```



Math Class Methods



1. Math.min(x,y)

2. Math.max(x,y)

3. Math.sqrt(x)

4. Math.pow(x,y)

5. Math.abs(x)

6. Math.random() [0, 1)

7. Math.floor(x)

8. Math.ceil(x)

9. Math.round(x)

Find the complete list [here](#)

(a, b)

Math.random()

[0, 1)

[a + 1, 6] = [1, 6]

