

2.4

# Calling a Void Method



I can call a void method and trace method calls.

## Starter

What is an activity you wish someone else would do for you? How would you describe the steps of this activity to the person you are delegating it to?



# Collaborate Board

## How to Edit

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I can call a void method and trace method calls.

## Concepts:

### CSAwesome

- Calling Methods
- Procedural Abstraction

up to 2-3-4

#### Notes:

*Copy and paste these questions into your notes. Answer them as you complete the lesson.*

1. How do you call an object's method?
2. What is procedural abstraction and why should you use it?

# I can call a void method and trace method calls.

```
1 public class Song {
2
3     public void print() {
4         System.out.println("Old MacDonald had a farm");
5         chorus();
6         System.out.print("And on that farm he had a ");
7         animal();
8         chorus();
9     }
10    public void chorus()
11    {
12        System.out.println("E-I-E-I-O");
13    }
14    |
15    public void animal() {
16        System.out.println("duck");
17    }
18    public static void main(String[] args) {
19        Song s = new Song();
20        s.print();
21    }
22 }
```

## Code Trace - We Do It

Method Call	Screen Output



# Draw It

I can call a void method and trace method calls.

```
1 public class Song {
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3     public void print() {
4         System.out.println("Old MacDonald had a farm");
5         chorus();
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## Code Trace - We Do It

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```

public class Song
{
    public void print()
    {
        System.out.print("I like to ");
        eat();
        eat();
        eat();
        fruit();
    }

    public void fruit()
    {
        System.out.println("apples and bananas!");
    }

    public void eat()
    {
        System.out.print("eat ");
    }

    public static void main(String[] args)
    {
        Song s = new Song();
        s.print();
    }
}

```

I can call a void method and trace method calls.

## Code Trace - You Do It

Method Call	Screen Output



# Draw It

```
{  
    public void print()  
    {  
        System.out.print("I like to ");  
        eat();  
        eat();  
        eat();  
        fruit();  
    }  
  
    public void fruit()  
    {  
        System.out.println("apples and bananas!");  
    }  
  
    public void eat()  
    {  
        System.out.print("eat ");  
    }  
  
    public static void main(String[] args)  
    {  
        Song s = new Song();  
    }  
}
```

I can call a void method and trace method calls.

## Code Trace - You Do It

Method Call	Screen Output

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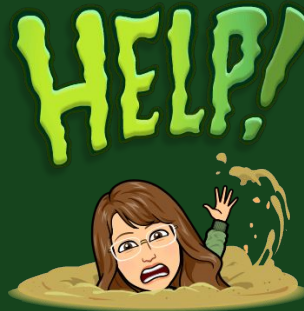


I can call a void method and trace method calls.

## To Do:

### CodeHS Lesson 4: Calling a Void Method

- Edpuzzle
- Study code samples
- Hello!
- Loose Change
- Chat Bot



**I can call a void method and trace method calls.**

## **Exit Ticket**

Review your notes. Copy and paste into the next slide either:

- one point you think you will have trouble understanding/remembering
- the most important point you are taking away from this lesson.