In this lecture, we will discuss...

- ♦ Blocks
- ♦ How they are used
- ♦ How to incorporate them into your own methods



Blocks

♦ Chunks of code

- Enclosed between either curly braces ({}) or the keywords do and end
- Passed to methods as last "parameter"



Blocks

- **♦** Convention:
 - Use { } when block content is a single line
 - Use do and end when block content spans multiple lines
- ♦ Often used as iterators



Blocks

♦ Can accept arguments

```
1.times { puts "Hello World!" }
# => Hello World!

2.times do |index|
   if index > 0
      puts index
   end
end
# => 1

2.times { |index| puts index if index > 0 }
# => 1
```

Often accepts parameter(s) between ||



Coding with blocks

♦ Two ways to configure a block in your own method

Implicit

- Use block given? to see if block was passed in
- Use yield to "call" the block

Explicit

- Use & in front of the last "parameter"
- Use call method to call the block



Implicit

- ♦ Need to check "block given?"
 - Otherwise, an exception is thrown



Explicit

♦ Should check if the block is nil?



Summary

- ♦ Blocks are just code that you can pass into methods
- ♦ When incorporating into your own methods:
 - Either use blocks implicitly
 - Or call them explicitly

What's next?

