

Ruby

Week 4

HomeWork Review

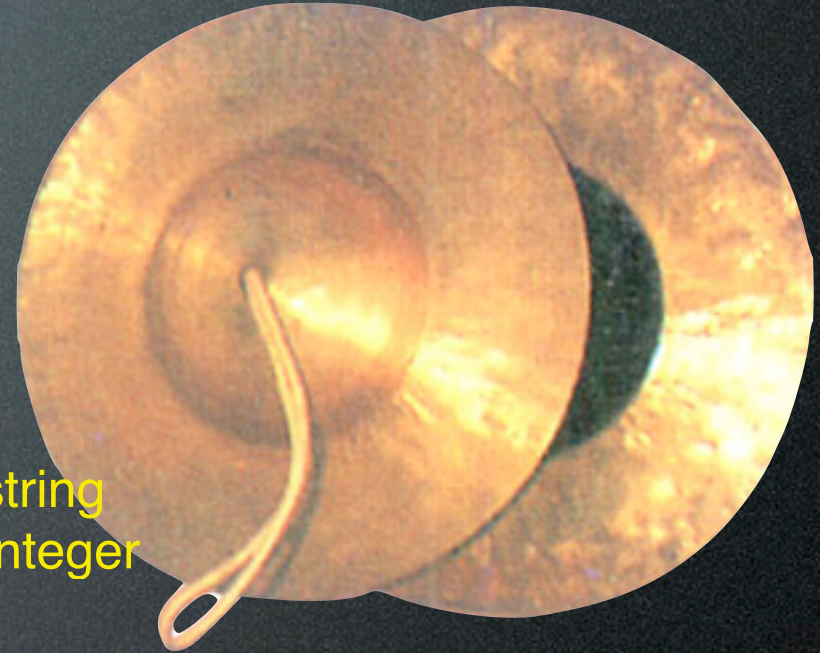
- Calculator
- Collections
- Inject

Numbers

- FixNum What you can do with numbers. ruby-doc.org/core-2.0.0/Fixnum.html
- 1 is always 1! (unlike strings)
- Floats (BigDecimal)
- 4.2
- 3.141516



Symbols



- `:symbols_are_fun`
Anything that starts with a `:`. It is an immutable string that allows you to have an object stored like an integer
- A static name
- Stored like numbers, named like strings!

used frequently in hashes as your key.
`h = {hello: "world"}`
`=> {:hello=>"world"}`

Text

Ranges

- `1..5` min to max inclusive
- `1...5` Up to but not including max
- `a..z`
- `OddNumber.new(1)..OddNumber.new(5)`



Range Demo

- `odd_number.rb`

Blocks

- A method with no name!
aka anonymous method
- Dynamic method definition

Block Syntax

- `{ }` for one liners
- `do`
 - `<code>` if you have multiple lines of code
- `end`

Blocks: Calling and Checking

you can pass a block to any method, but it is up to the method on whether or not it is actually used by it

- `yield` wherever yield is is where the block is
- `call`
- `block_given?` lets you know if a block has been passed to a method

Blocks with Parameters

- `yield(x)`
- `call(x)`
- `{ |x| }`
- `do |x|`
 - `<code>`
- `end`

Blocks Demo

- Time My Code!
- `timer_spec.rb`

Control

- Controlling the flow of your application
- BEWARE: if-else-death, Switch-Statement-Smell (<http://c2.com/cgi/wiki?SwitchStatementsSmell>)

Conditionals

- if, else
- unless, else
- and && (BEWARE: precedence!!)
- or || (BEWARE: precedence!!)
- ||=
- conditional ? then : else

Loop-de-Loop!

- while
- until
- times

HomeWork

- questions.txt
- worker_spec.rb