



BEWD – Collections, Loops and APIs

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AGENDA

- » Quick fire
- » Practical Application of Collections & Loops (APIs)
- » Lab Time

QUICK FIRE

FIZZ BUZZ

- » Write a program that prints numbers from 1 to 100
- » For multiples of three print “fizz” instead of the number
- » For multiples of five print “buzz” instead of the number
- » For numbers which are multiples of both three and five print “fizzbuzz”.

```
def fizzbuzz(number)
  result = "#{number % 3 == 0 ? 'Fizz' : ''}#{number % 5 == 0 ? 'Buzz' : ''}"
  return result unless result.empty?
  number
end

1.upto(100) do |number|
  puts fizzbuzz(number)
end
```

RECAP

- » Variables
- » Conditionals
- » Iteration
- » Collections

APIs

WORKING WITH APIS

-
1. Ask for some data
 2. Convert it into a format we can work with
 3. ???
 4. Profit

APIs

OBTAINING DATA

We need to use a gem to get data from an API

```
$ gem install rest-client
```

APIs

CONVERT INTO A FORMAT WE CAN USE

Most APIs return JSON - JavaScript Object Notation

For example:

```
{  
  "NY": "New York",  
  "LA": "Los Angeles",  
  "SYD": "Sydney",  
  "LDN": "London"  
}
```




