Week 2 / IT 5 and IT 6

```ruby
array.rb                    ✕

def find_people_30_and_over_sorted_by_name(array_of_people)
  result = array_of_people.select { |person| person[:age] >= 30 }
  result = result.sort_by { |person| person[:name] }
  return result
end

person1 = {
  name: "Alice",
  age: 20
}

person2 = {
  name: "Bob",
  age: 25
}

person3 = {
  name: "Carol",
  age: 40
}

# People deliberately added to array out of name order to demonstrate sorting later:
array_of_people = [person3, person2, person1]
array_of_people_over_30 = find_people_30_and_over_sorted_by_name(array_of_people)

puts "All of our people: "
puts array_of_people
puts
puts "All of the people 30 and over sorted by name:"
puts array_of_people_over_30
puts
puts "All of the people under 30, not sorted by name:"
puts array_of_people - array_of_people_over_30
```

```
→ week_2_evidence git:(master) ✗ ruby array.rb
All of our people:
{:name=>"Carol", :age=>40}
{:name=>"Bob", :age=>25}
{:name=>"Alice", :age=>20}

All of the people 30 and over sorted by name:
{:name=>"Carol", :age=>40}

All of the people under 30, not sorted by name:
{:name=>"Bob", :age=>25}
{:name=>"Alice", :age=>20}
```

```ruby
def tickets()
  sql = "SELECT * FROM tickets WHERE tickets.customer_id = #{@id}"
  result = SqlRunner.run(sql)
  tickets = result.map { |ticket| Ticket.new(ticket) }
  return tickets
end
```

```ruby
def screenings()
  sql = "SELECT * FROM tickets INNER JOIN screenings ON screenings.id = tickets.screening_id WHERE
    tickets.customer_id = #{@id};"
  result = SqlRunner.run(sql)

  if result == nil then return nil end

  return result.map { |screening| Screening.new( {
    'id' => screening['screening_id'],
    'film_id' => screening['film_id'],
    'start_time' => screening['start_time'],
    'capacity' => screening['capacity'] } ) }
end
```

```
[1] pry(main)> customer1.tickets()
=> [#<Ticket:0x007fc5a3b11c80 @customer_id=91, @id=175, @screening_id=259>,
 #<Ticket:0x007fc5a3b11b90 @customer_id=91, @id=176, @screening_id=259>,
 #<Ticket:0x007fc5a3b11ac8 @customer_id=91, @id=177, @screening_id=261>]
[2] pry(main)> customer1.screenings()
=> [#<Screening:0x007fc5a3a78c88
 @capacity=3,
 @film_id=91,
 @id=259,
 @start_time=#<DateTime: 2017-06-04T22:52:23+00:00 ((2457909j,82343s,0n),+0s,2299161j)>>,
 #<Screening:0x007fc5a3a78648
 @capacity=3,
 @film_id=91,
 @id=259,
 @start_time=#<DateTime: 2017-06-04T22:52:23+00:00 ((2457909j,82343s,0n),+0s,2299161j)>>,
 #<Screening:0x007fc5a3a780d0
 @capacity=5,
 @film_id=91,
 @id=261,
 @start_time=#<DateTime: 2017-06-06T22:52:23+00:00 ((2457911j,82343s,0n),+0s,2299161j)>>]
[3] pry(main)>
```

```ruby
customer.rb

require 'pg'
require_relative '../db/sql_runner'

class Customer

  attr_reader :id, :name

  def initialize(options)
    @id = options['id'].to_i() if options['id']
    @name = options['name']
  end

  def self.all()
    sql = "SELECT * FROM customers ORDER BY name;"
    customers = SqlRunner.run(sql)
    return customers.map { |customer| Customer.new(customer) }
  end
```

```
[1] pry(main)> Customer.all()
=> [#<Customer:0x007f91348a2100 @id=22, @name="Name 1">,
 #<Customer:0x007f91348a1f70 @id=23, @name="Name 2">]
[2] pry(main)>
```