

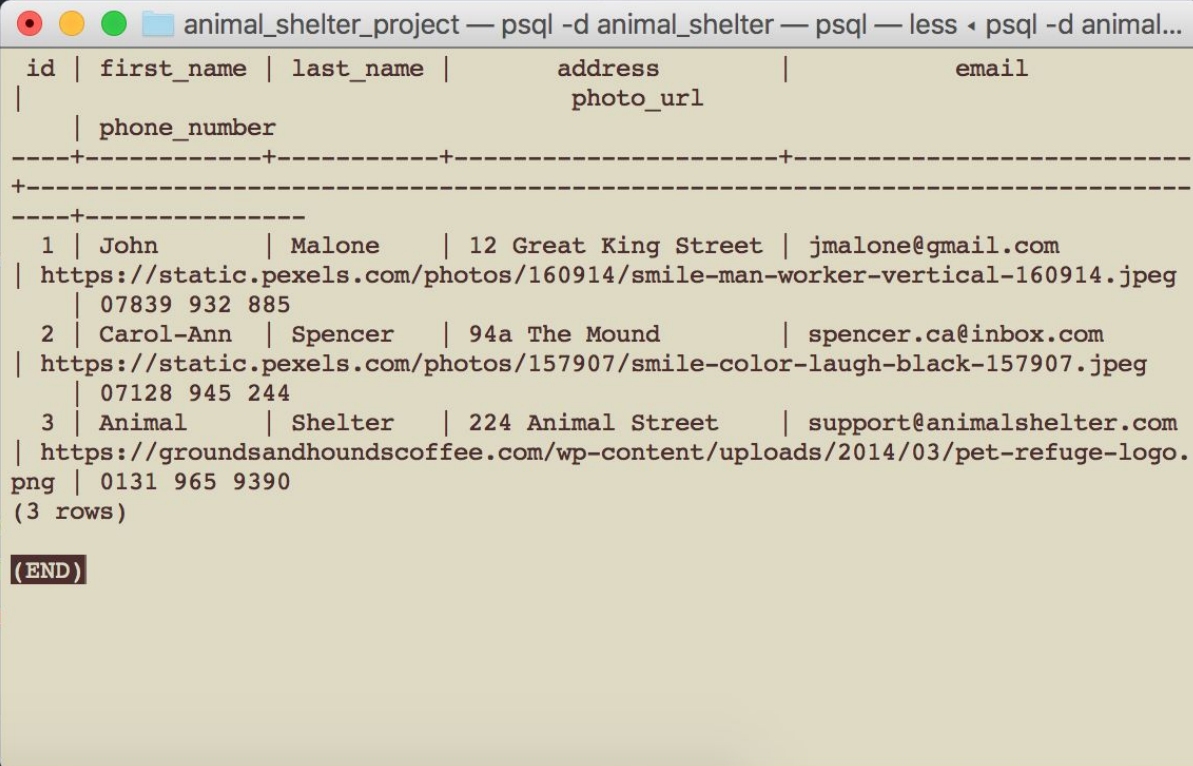
Evidence for project unit I & T
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Week 3 - Reference I.T 3

Demonstrate searching data in a program - The below function is part of the owner.rb file in my animal shelter project, this will be called to search the database and return all owners.

```
def self.all()
  sql = "SELECT * FROM owners"
  values = []
  results = SqlRunner.run(sql, values)
  return results.map { |owner| Owner.new(owner)}
end
```

Below is the SQL query running.



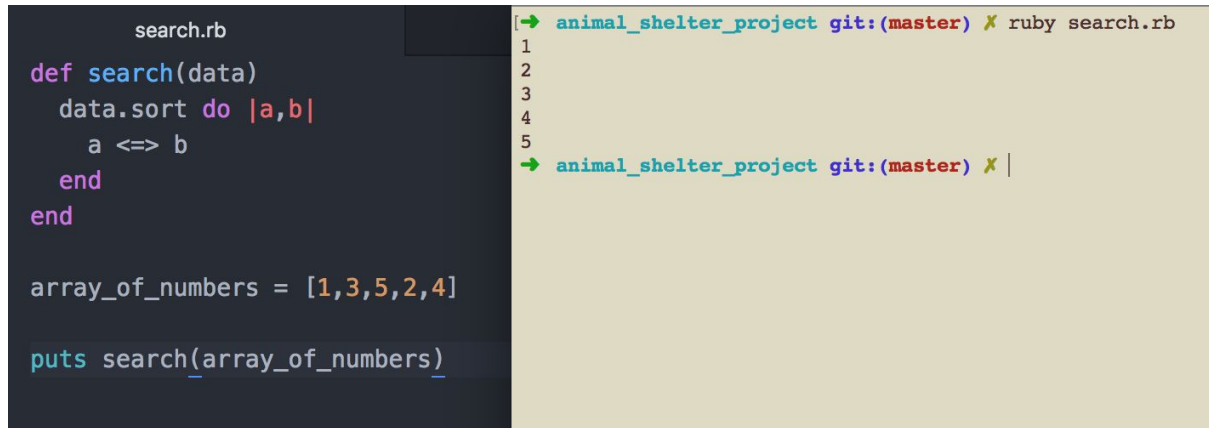
id	first_name	last_name	address	email
1	John	Malone	12 Great King Street	jmalone@gmail.com
2	Carol-Ann	Spencer	94a The Mound	spencer.ca@inbox.com
3	Animal	Shelter	224 Animal Street	support@animalshelter.com

(3 rows)

(END)

Week 3 - Reference I.T 4

Demonstrate sorting data in a program - below screenshot show the search.rb file on the left containing the search function. When it is called on the generated array, the five numbers are sorted into the correct order as per the terminal output on the right.



The screenshot displays a code editor with two panels. The left panel, titled 'search.rb', contains the following Ruby code:

```
def search(data)
  data.sort do |a,b|
    a <=> b
  end
end

array_of_numbers = [1,3,5,2,4]

puts search(array_of_numbers)
```

The right panel shows a terminal window with the following output:

```
→ animal_shelter_project git:(master) ✕ ruby search.rb
1
2
3
4
5
→ animal_shelter_project git:(master) ✕ |
```