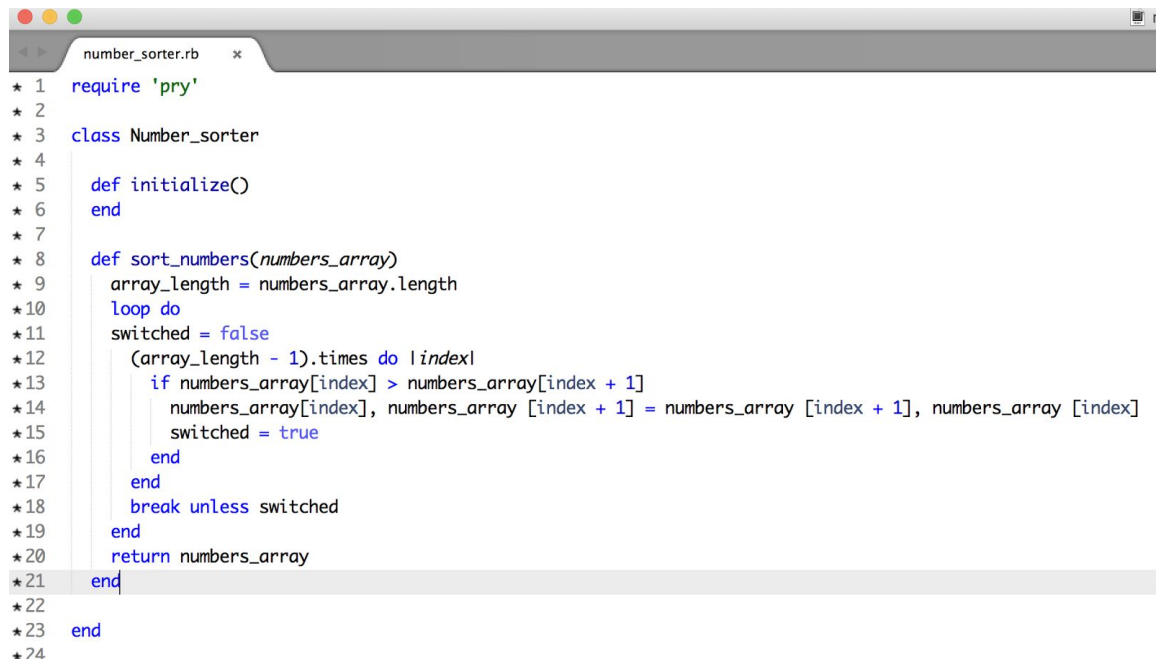


Chris Donnelly - Cohort E14

Unit I & T - I.T 3 - Demonstrate searching data in a program.

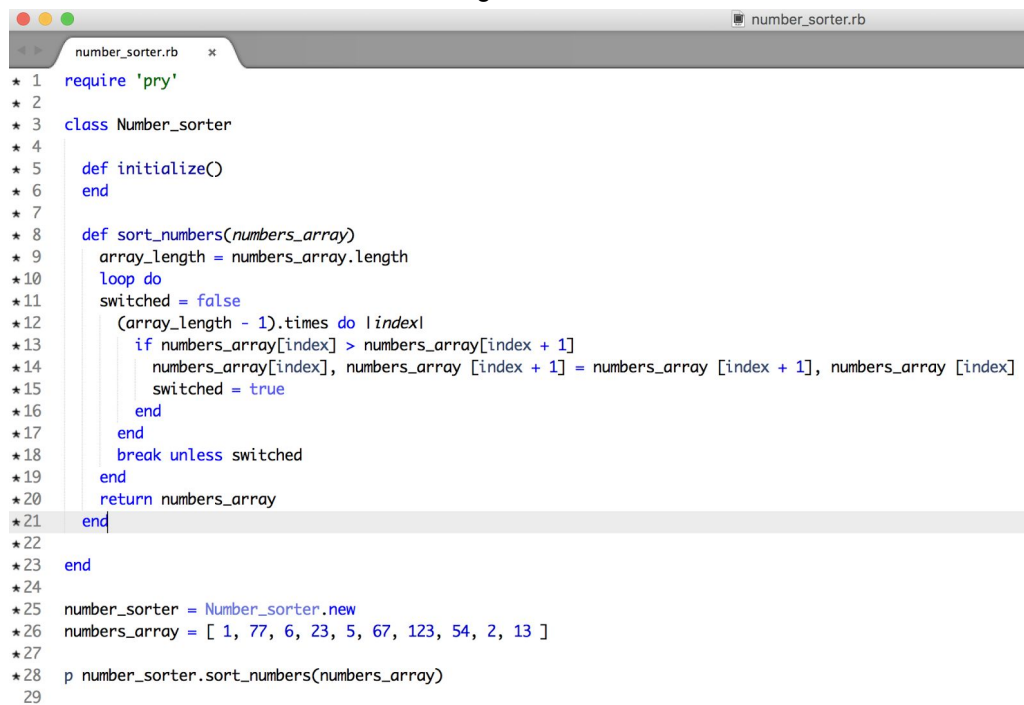
Take screenshots of;

- A function that sorts data;

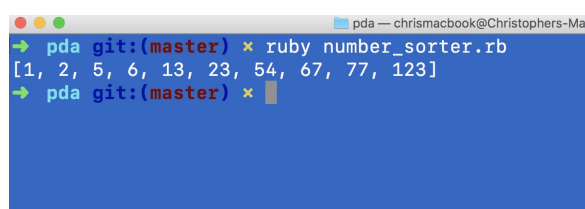


```
number_sorter.rb
* 1 require 'pry'
* 2
* 3 class Number_sorter
* 4
* 5   def initialize()
* 6     end
* 7
* 8   def sort_numbers(numbers_array)
* 9     array_length = numbers_array.length
*10     loop do
*11       switched = false
*12       (array_length - 1).times do |index|
*13         if numbers_array[index] > numbers_array[index + 1]
*14           numbers_array[index], numbers_array [index + 1] = numbers_array [index + 1], numbers_array [index]
*15           switched = true
*16         end
*17       end
*18       break unless switched
*19     end
*20     return numbers_array
*21   end
*22
*23 end
*24
```

- The result of the function running;



```
number_sorter.rb
* 1 require 'pry'
* 2
* 3 class Number_sorter
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* 8   def sort_numbers(numbers_array)
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*14           numbers_array[index], numbers_array [index + 1] = numbers_array [index + 1], numbers_array [index]
*15           switched = true
*16         end
*17       end
*18       break unless switched
*19     end
*20     return numbers_array
*21   end
*22
*23 end
*24
*25 number_sorter = Number_sorter.new
*26 numbers_array = [ 1, 77, 6, 23, 5, 67, 123, 54, 2, 13 ]
*27
*28 p number_sorter.sort_numbers(numbers_array)
*29
```



```
pda — chrismacbook@Christophers-Ma
→ pda git:(master) * ruby number_sorter.rb
[1, 2, 5, 6, 13, 23, 54, 67, 77, 123]
→ pda git:(master) *
```