

# Background and Objectives

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Change to the working directory of the assignment, run the test and open it up in Sublime

```
cd /wondercoders-ruby-challenges/02-Whats-Your-Name
rake
```

- Validate one more time your understanding of methods and variables.
- Learn how to use string interpolation.
- Understand the difference between **single** and **double** quotes.

## Specs

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### Compute name

- Implement the `compute_name` method defined in the `lib/compute_name.rb` file. Given the `first_name`, `middle_name` and `last_name`, it should return the full name of the person.
- **constraint:** You must use **string interpolation** with `#{}`  to build this full name.

### Interactive Program

The `lib/interface.rb` file contains a program to interact with a user. Try it now with:

```
$ ruby lib/interface.rb
```

Then, assuming you have entered "Boris" then "Alexandre" and finally "Papillard", the program should print a custom message like `"Hello, Boris Alexandre Papillard !"` .

- **constraint:** of course, your `interface.rb` program should use the `compute_name` method defined in the other file.
- **enhancement:** you can improve your `custom_message` by adding other information like the number of characters in your full name (for instance, "Boris Alexandre Papillard" has got 24 characters, including spaces), or other very important details...

## Key learning points

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Again, ask yourself these questions and make sure you can answer all of them:

## on variable

- What are the variables in your code ?
- Where do you assign values to these variables and where do you use them ?
- What's the scope of a variable ?

## on methods

- What is the method of your program ? Where do you define it ?
- Where do you call this method and with which arguments ?
- What's the flow of your program when you try to read it line by line ?

## on strings

- What's string interpolation ? What's the syntax to "insert" some ruby expression in a string ?
- What's the difference between single-quotes `' '` or double-quotes `" "` when using string interpolation ?

## Further suggestions & resources

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- to get a user input from the terminal you should use [gets](#). You will also need to [chomp](#) the resulting string.
- to print question in the terminal, you should use [puts](#)