



A brief introduction to Ruby

with a focus on the building blocks of Ruby from the perspective of a beginner
JavaScript developer

Outline

- Ground rules
- Key differences to JavaScript
- Why Ruby on Rails?
- Code demo
- Questions

Basics

- Everything is an object
- Variables don't need to be declared, but are written:

`var variable_name = variable_value`
- `#` denotes a comment within the code
- The equivalent of `console.log` is “puts”

Key Differences to JavaScript

- Syntax:
 - declaring variables
 - defining functions
- Looping:
 - simpler to write
 - easier to understand
- Highly object oriented

Ruby on Rails

Pros:

- Flexibility
- Database migrations are very portable
- Easier functions and manipulations
- Consistent with structure and methodology
- Expressiveness of the language

Cons:

- Trickier with large projects
- Slower run time
- Documentation is only available for popular frameworks
- More resources are needed
- Large stack frames

Let's see some code!

Mini-Outline:

Using the console, we'll go through:

- Data types
 - assigning values
 - `#{} construct`
 - string example
- Array:
 - structure
 - adding / removing elements
 - push, pop and shift
 - for loop
- Hash:
 - structure
 - creation
 - each loop

Questions?