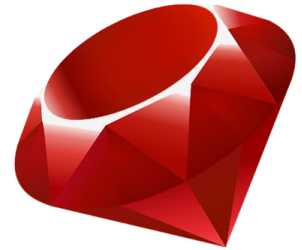

Ruby Monstas



Session 3

Agenda

- Recap from Session 2
- Advanced Command Line
- Variables
- Booleans
- Arrays
- Exercises



Shell

Copy files and directories

cp	Copy files and folders
mv	Move files and folders, also rename files and folders
rm	Remove files
touch	Create a file if it does not exist already
man	Manual pages, documentation for commands
cat	Concatenate and print files
less	Display file

Variables

Introduction

Overwrite Variables

- If you assign a new object to the same variable, the new object is valid

```
irb> b = "Hello World"
```

```
=> "Hello World"
```

```
irb> b = "Another String"
```

```
=> "Another String"
```

Assigning Variables to Variables

- Variables can be assigned to other variables

```
irb> a = 5
```

```
=> 5
```

```
irb> x = a
```

```
=> 5
```

puts

- “puts” is used to display the results of Ruby code

```
irb> puts "We print a string"
```

```
We print a string
```

```
=> nil
```

```
irb> puts b
```

```
Another String
```

```
=> nil
```

gets

- “gets” is used to get user input

```
irb> name = gets
```

```
Marion
```

```
=> "Marion\n"
```

```
irb> name
```

```
=> "Marion\n"
```

```
irb> name.chomp
```

```
=> "Marion"
```

Booleans

Introduction

Comparison operators

==	Are the left and right side equal ?
!=	Are the left and right side not equal ?
<	Is the left side smaller than the right side?
>	Is the left side bigger than the right side?
<=	Is the left side smaller than or equal to the right side?
>=	Is the left side bigger than or equal to the right side?

Comparison operators

```
irb> 5 == 4
```

```
=> false
```

```
irb> 5 != 4
```

```
=> true
```

```
irb> 1 < 2
```

```
=> true
```

```
irb> 1 > 2
```

```
=> false
```

```
irb> 7.1 <= 7.2
```

```
=> true
```

```
irb> 7.1 >= 7.2
```

```
=> false
```

Arrays

Introduction

Arrays

- lists of things

```
irb> [1, 1, 3, 5, 8]
```

```
=> [1, 1, 3, 5, 8]
```

```
irb> my_array = [7, "hello", 5.9]
```

```
=> [7, "hello", 5.9]
```

Accessing array items

```
irb> my_array = [7, "hello", 5.9]
```

```
=> [7, "hello", 5.9]
```

```
irb> my_array[1]
```

```
=> "hello"
```

```
irb> my_array.last
```

```
=> 5.9
```

```
irb> my_array.first
```

```
=> 7
```

Adding to an array

- “shovel” operator

```
irb> my_array << "new item"
```

```
=> [7, "hello", 5.9, "new item"]
```

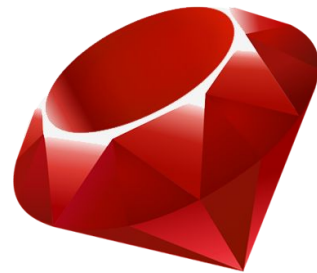
```
irb> my_array << x
```

```
=> [7, "hello", 5.9, "new item", 5]
```

Deleting from an array

```
irb> my_array
=> [7, "hello", 5.9, "new item", 5]
irb> my_array.delete_at(2)
=> 5.9
irb> my_array
=> [7, "hello", "new item", 5]
irb> my_array.delete("hello")
=> "hello"
irb> my_array
=> [7, "new item", 5]
```

Time to practice



Let's get to it!
