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# Ruby Monstas



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Session 32

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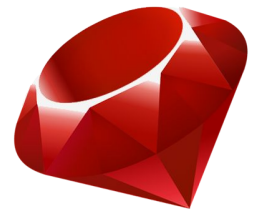
# Agenda

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Ruby Programmer Tools: irb

Recap Last Exercise

Exercises



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# Programmer Tools

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# How does a programmer work?

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Split big tasks into small ones

Research online

If unsure, verify assumptions

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# Ruby Programmer

## Tools: **irb**

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# What do you know about irb?

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Interactive Ruby Shell

Read Evaluate Print Loop (REPL)

Let's you interact with code without writing it to a file (and compiling it)

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# Example user.rb

---

```
class User

  def initialize(name, birth_date)
    @name = name
    @birth_date = birth_date
  end

  def name
    @name
  end

end
```

---

# irb

---

```
$ irb
```

```
irb(main):001:0>
```

---



# irb

---

```
$ irb
```

```
irb(main):001:0> User
```

---

# irb

---

```
$ irb
```

```
irb(main):001:0> User
```

```
NameError: uninitialized constant User
```

---

# irb

---

```
$ irb
```

```
irb(main):001:0>
```

---

# irb

---

```
$ irb
```

```
irb(main):001:0> class User
```

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# irb

---

```
$ irb
irb(main):001:0> class User
irb(main):002:1>   def initialize(name, birth_date)
irb(main):003:2>     @name = name
irb(main):004:2>     @birth_date = birth_date
irb(main):005:2>   end
irb(main):006:1> end
```

---

# irb

---

```
$ irb
irb(main):001:0> class User
irb(main):002:1>   def initialize(name, birth_date)
irb(main):003:2>     @name = name
irb(main):004:2>     @birth_date = birth_date
irb(main):005:2>   end
irb(main):006:1> end
=> :name
irb(main):007:0>
```

---

# irb

---

```
$ irb
irb(main):001:0> class User
irb(main):002:1>   def initialize(name, birth_date)
irb(main):003:2>     @name = name
irb(main):004:2>     @birth_date = birth_date
irb(main):005:2>   end
irb(main):006:1> end
=> :name
irb(main):007:0> User
```

---

# irb

---

```
$ irb
irb(main):001:0> class User
irb(main):002:1>   def initialize(name, birth_date)
irb(main):003:2>     @name = name
irb(main):004:2>     @birth_date = birth_date
irb(main):005:2>   end
irb(main):006:1> end
=> :name
irb(main):007:0> User
=> User
irb(main):008:0>
```

---



# irb

---

```
# We have created a file user.rb now with our class  
$ irb  
irb(main):001:0> require 'user'
```

---

# irb

---

```
# We have created a file user.rb now with our class
$ irb
irb(main):001:0> require 'user'
LoadError: cannot load such file -- user
irb(main):002:0>
```

---

# irb

---

```
# We have created a file user.rb now with our class
$ irb
irb(main):001:0> require 'user'
LoadError: cannot load such file -- user
irb(main):002:0> require './user'
```

---

# irb

---

```
# We have created a file user.rb now with our class
$ irb
irb(main):001:0> require 'user'
LoadError: cannot load such file -- user
irb(main):002:0> require './user'
=> true
irb(main):003:0>
```

---

# irb

---

```
# We have created a file user.rb now with our class
$ irb
irb(main):001:0> require 'user'
LoadError: cannot load such file -- user
irb(main):002:0> require './user'
=> true
irb(main):003:0> user = User.new("Petra", "1980-02-20")
=> #<User:0x007facb983cc88 @name="Petra",
@birth_date="1980-02-20">
irb(main):004:0>
```

---

# Loading code

---

```
$ irb
```

---

# Loading code

---

```
$ irb -r ./user
```

---

# Loading code

---

```
$ irb -r ./user  
irb(main):001:0>
```

---



# Loading code

---

```
$ irb -r ./user
```

```
irb(main):001:0> user = User.new("Petra", "1980-02-20")
```

---

# Loading code

---

```
$ irb -r ./user
irb(main):001:0> user = User.new("Petra", "1980-02-20")
=> #<User:0x007facb983cc88 @name="Petra", @birth_date="
1980-02-20">
irb(main):002:0>
```

---

# Loading code

---

```
$ irb -r ./user -r sequel  
irb(main):001:0>
```

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# Recap

# Last Exercise

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# Your feedback, please?

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<http://goo.gl/forms/rUrZqOPNq6> (Session 31)

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# Time to practice

