

PRYING INTO RUBY

@elsom25 | BOLTMADE

*Pry is a powerful alternative to the
standard IRB shell for Ruby.*

— pryrepl.org

RUNTIME INVOCATION

```
2. bash

[jesse@Jesses-Macbook-Air] Sun 13:08:57 [3 files] ~/work/boltmade/presentations/pry
[1:9968]+$ ruby runtime_invocation.rb

From: /Users/jesse/work/boltmade/presentations/pry/runtime_invocation.rb @ line 12 :

    7:
    8: t = Test.new
    9: x = 10
   10:
   11: # starts a REPL sessions
=> 12: binding.pry
   13:
   14: # program resumes here (after pry session)
   15: puts "program resumes. x=#{x}."

[1] pry(main)> t.add1(1)
=> 2
[2] pry(main)> x
=> 10
[3] pry(main)> x = t.add1(x)
=> 11
[4] pry(main)> exit
program resumes. x=11.
```

DOCUMENTATION
EXPLORATION

2. ruby

[jesse@Jesses-Macbook-Air] Sun 13:29:03 [5 files] ~/work/boltmade/presentations/pry

[1:9969]+\$ pry

[1] pry(main)> Array(5)

=> [5]

[2] pry(main)> Array([5])

=> [5]

[3] pry(main)> ? Array()

From: object.c (C Method):

Owner: Kernel

Visibility: private

Signature: Array(arg1)

Number of lines: 5

Returns **arg** as an Array.

First tries to call Array#to_ary on **arg**, then Array#to_a.

Array(1..5) #=> [1, 2, 3, 4, 5]

[4] pry(main)> █

SHELL COMMANDS AND HIDING OUTPUT

```
2. ruby

[jesse@Jesses-Macbook-Air] Sun 13:45:38 [7 files] ~/work/boltmade/presentations/pry
[1:9968]+$ pry
[1] pry(main)> require './hello.rb'
LoadError: cannot load such file -- ./hello.rb
from /Users/jesse/.rvm/rubies/ruby-2.1.1/lib/ruby/2.1.0/rubygems/core_ext/kernel_require.rb:55:in `require'
[2] pry(main)> .ls | grep .rb
messenger.rb
runtime_invocation.rb
[3] pry(main)> require './messenger.rb';
[4] pry(main)> Messenger.sexy_hello 'jesse'
=> "Hey there jesse, you sexy beast!"
[5] pry(main)>
```


UNDERSTANDING MONEY

let's dive deep and explore some library code

So I want to add a "reversible" exchange_to method to Money

The goal is for:

```
10.to_money('USD').reversible_exchange_to('CAD').exchange_to('USD')  
=> 10.to_money('USD')
```

So to start, let's see what `exchange_to` is doing under the hood:

```
pry  
require 'money';  
cd Money  
$ exchange_to
```

Okay, so that doesn't do much, digging deeper:

```
ls  
cd default_bank  
$ exchange_with
```

There's the gold! We want to replace `get_rate` with a
`get_reversible_rate`

IT DOESN'T WORK!

we'll throw a `binding.pry` in our custom implmentation and see
what went wrong!

play with `next` and `step`

COOL EXTRAS

- ▶ **pry-rescue**
- ▶ **pry-stack_explorer**
- ▶ **better_errors**
- ▶ **pry-debugger**
 - ▶ **pry-plus**
 - ▶ **pry-rails**

QUESTIONS?

jesse@boltmade.com

boltmade.com