

NAME

irb — Interactive Ruby Shell

SYNOPSIS

```
irb [ --version] [ -dfUw] [ -I directory] [ -r library] [ -E external[:internal]]
  [ -W[level]] [ --[no]inspect] [ --[no]multiline] [ --[no]singleline] [ --[no]echo]
  [ --[no]colorize] [ --[no]verbose] [ --prompt mode] [ --prompt-mode mode]
  [ --inf-ruby-mode] [ --simple-prompt] [ --noprompt] [ --tracer]
  [ --back-trace-limit n] [ --] [program_file] [argument ...]
```

DESCRIPTION

irb is the REPL(read-eval-print loop) environment for Ruby programs.

OPTIONS

--version Prints the version of **irb**.

-E *external[:internal]*

--encoding *external[:internal]*
 Same as 'ruby -E'. Specifies the default value(s) for external encodings and internal encoding. Values should be separated with colon (:).
 You can omit the one for internal encodings, then the value (Encoding.default_internal) will be nil.

-I *path* Same as 'ruby -I'. Specifies \$LOAD_PATH directory

-U Same as 'ruby -U'. Sets the default value for internal encodings (Encoding.default_internal) to UTF-8.

-d Same as 'ruby -d'. Sets \$DEBUG to true.

-f Suppresses read of ~/.irbrc.

-w Same as 'ruby -w'.

-W Same as 'ruby -W'.

-h

--help Prints a summary of the options.

-r *library* Same as 'ruby -r'. Causes irb to load the library using require.

--inspect Uses 'inspect' for output (default except for bc mode)

--noinspect Doesn't use inspect for output

--multiline Uses multiline editor module.

--nomultiline
 Doesn't use multiline editor module.

--singleline Uses singleline editor module.

--nosingleline
 Doesn't use singleline editor module.

--echo Show result(default).

--noecho Don't show result.

--colorize Use colorization.
--nocolorize Don't use colorization.
--verbose Show details.
--noverbose Don't show details.
--prompt *mode*
--prompt-mode *mode*
Switch prompt mode. Pre-defined prompt modes are 'default', 'simple', 'xmp' and 'inf-ruby'.
--inf-ruby-mode
Uses prompt appropriate for inf-ruby-mode on emacs. Suppresses --multiline and --singleline.
--simple-prompt
Makes prompts simple.
--noprompt No prompt mode.
--tracer Displays trace for each execution of commands.
--back-trace-limit *n*
Displays backtrace top *n* and tail *n*. The default value is 16.

ENVIRONMENT

IRBRC

Also **irb** depends on same variables as `ruby(1)`.

FILES

~/.irbrc

Personal irb initialization.

EXAMPLES

```

% irb
irb(main):001:0> 1 + 1
2
irb(main):002:0> def t(x)
irb(main):003:1> x + 1
irb(main):004:1> end
=> :t
irb(main):005:0> t(3)
=> 4
irb(main):006:0> if t(3) == 4
irb(main):007:1> p :ok
irb(main):008:1> end
:ok
=> :ok
irb(main):009:0> quit
%

```

SEE ALSO

`ruby(1)`.

REPORTING BUGS

- Security vulnerabilities should be reported via an email to `security@ruby-lang.org`. Reported problems will be published after being fixed.
- Other bugs and feature requests can be reported via the Ruby Issue Tracking System (<https://bugs.ruby-lang.org/>). Do not report security vulnerabilities via this system because it publishes the vulnerabilities immediately.

AUTHORS

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