



Linux Ubuntu 26.04 Manual Pages on command 'irb.1'

\$ man irb.1

IRB(1) Ruby Programmer's Reference Guide IRB(1)

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]autocomplete] [--[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.

--extra-doc-dir

Add an extra doc dir for the doc dialog.

--echo Show result (default).

--noecho Don't show result.

--echo-on-assignment

Show result on assignment.

--noecho-on-assignment

Don't show result on assignment.

--truncate-echo-on-assignment

Show truncated result on assignment (default).

--colorize Use colorization.

--nocolorize Don't use colorization.

--autocomplete

Use autocompletion.

--noautocomplete

Don't use autocompletion.

--regexp-completor

Use regexp based completion.

--type-completor

Use type based completion.

--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

IRB_LANG The locale used for irb.

IRBRC The path to the personal initialization file.

XDG_CONFIG_HOME irb respects XDG_CONFIG_HOME. If this is set, load \$XDG_CONFIG_HOME/irb/irbrc as a personal initialization file.

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

FILES

~/.irbrc

Personal irb initialization. If IRBRC is set, read \$IRBRC instead. If IRBRC is not set and XDG_CONFIG_HOME is set, \$XDG_CONFIG_HOME/irb/irbrc is loaded.

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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UNIX

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