

Package ‘reprex’

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Title Prepare Reproducible Example Code via the Clipboard

Version 1.0.0

Description Convenience wrapper that uses the 'rmarkdown' package to render small snippets of code to target formats that include both code and output. The goal is to encourage the sharing of small, reproducible, and runnable examples on code-oriented websites, such as <<https://stackoverflow.com>> and <<https://github.com>>, or in email. The user's clipboard is the default source of input code and the default target for rendered output. 'reprex' also extracts clean, runnable R code from various common formats, such as copy/paste from an R session.

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URL <https://reprex.tidyverse.org>,
<https://github.com/tidyverse/reprex#readme>

BugReports <https://github.com/tidyverse/reprex/issues>

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reprex	<i>Render a reprex</i>
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Description

Run a bit of R code using `rmarkdown::render()` and write the rendered result to user's clipboard. The goal is to make it easy to share a small reproducible example ("reprex"), e.g., in a GitHub issue. Reprex source can be

- read from clipboard
- read from current selection or active document in RStudio (with `reprex_addin()`)
- provided directly as expression, character vector, or string
- read from file

reprex can also be used for syntax highlighting (with or without rendering); see below for more.

Usage

```
reprex(
  x = NULL,
  input = NULL,
  outfile = NULL,
  venue = c("gh", "r", "rtf", "html", "slack", "so", "ds"),
  render = TRUE,
```

```

  advertise = NULL,
  session_info = opt(FALSE),
  style = opt(FALSE),
  comment = opt("#>"),
  tidyverse_quiet = opt(TRUE),
  std_out_err = opt(FALSE),
  html_preview = opt(TRUE),
  show,
  si
)

```

Arguments

x	An expression. If not given, <code>reprex()</code> looks for code in <code>input</code> or on the clipboard, in that order.
input	Character. If has length one and lacks a terminating newline, interpreted as the path to a file containing reprex code. Otherwise, assumed to hold reprex code as character vector.
outfile	Optional basename for output files. When <code>NULL</code> (default), reprex writes to temp files below the session temp directory. If <code>outfile = "foo"</code> , expect output files in current working directory, like <code>foo_reprex.R</code> , <code>foo_reprex.md</code> , and, if <code>venue = "r"</code> , <code>foo_rendered.R</code> . If <code>outfile = NA</code> , expect output files in a location and with basename derived from <code>input</code> , if sensible, or in current working directory with basename derived from <code>tempfile()</code> otherwise.
venue	Character. Must be one of the following (case insensitive): <ul style="list-style-type: none"> • "gh" for GitHub-Flavored Markdown, the default • "r" for a runnable R script, with commented output interleaved. Also useful for Slack code snippets; select "R" from the "Type" drop-down menu to enjoy nice syntax highlighting. • "rtf" for Rich Text Format (not supported for un-reprexing) • "html" for an HTML fragment suitable for inclusion in a larger HTML document (not supported for un-reprexing) • "slack" for pasting into a Slack message. Works best if you opt out of Slack's WYSIWYG interface and, instead, go to Preferences > Advanced and select "Format messages with markup". • "so" for Stack Overflow Markdown. Note: this is just an alias for "gh", since Stack Overflow started to support CommonMark-style fenced code blocks in January 2019. • "ds" for Discourse, e.g., community.rstudio.com. Note: this is currently just an alias for "gh".
render	Logical. Whether to call <code>rmarkdown::render()</code> on the templated reprex, i.e. whether to actually run the code. Defaults to <code>TRUE</code> . Exists primarily for the sake of internal testing.
advertise	Logical. Whether to include a footer that describes when and how the reprex was created. If unspecified, the option <code>reprex.advertise</code> is consulted and, if that is not defined, default is <code>TRUE</code> for venues "gh", "html", "so", "ds" and <code>FALSE</code> for "r", "rtf", "slack".

session_info	Logical. Whether to include <code>sessioninfo::session_info()</code> , if available, or <code>sessionInfo()</code> at the end of the reprex. When venue is "gh", the session info is wrapped in a collapsible details tag. Read more about <code>opt()</code> .
style	Logical. Whether to set the knitr chunk option <code>tidy = "styler"</code> , which restyles code with the <code>styler</code> package. Read more about <code>opt()</code> .
comment	Character. Prefix with which to comment out output, defaults to "#>". Read more about <code>opt()</code> .
tidyverse_quiet	Logical. Sets the options <code>tidyverse.quiet</code> and <code>tidymodels.quiet</code> , which suppress (TRUE, the default) or include (FALSE) the startup messages for the tidyverse and tidymodels packages. Read more about <code>opt()</code> .
std_out_err	Logical. Whether to append a section for output sent to stdout and stderr by the reprex rendering process. This can be necessary to reveal output if the reprex spawns child processes or <code>system()</code> calls. Note this cannot be properly interleaved with output from the main R process, nor is there any guarantee that the lines from standard output and standard error are in correct chronological order. See <code>callr::r()</code> for more. Read more about <code>opt()</code> .
html_preview	Logical. Whether to show rendered output in a viewer (RStudio or browser). Always FALSE in a noninteractive session. Read more about <code>opt()</code> .
show	Deprecated in favor of <code>html_preview</code> , for greater consistency with other R Markdown output formats.
si	Deprecated in favor of <code>session_info</code> .

Value

Character vector of rendered reprex, invisibly.

Details

The usual "code + commented output" is returned invisibly, put on the clipboard, and written to file. An HTML preview displays in RStudio's Viewer pane, if available, or in the default browser, otherwise. Leading ">" prompts, are stripped from the input code. Read more at <https://reprex.tidyverse.org/>.

reprex sets specific **knitr options**:

- Chunk options default to `collapse = TRUE`, `comment = "#>"`, `error = TRUE`. Note that `error = TRUE`, because a common use case is bug reporting.
- reprex also sets knitr's `upload.fun`. It defaults to `knitr::imgur_upload()` so figures produced by the reprex appear properly on GitHub, Stack Overflow, or Discourse. Note that `imgur_upload()` requires the packages `httr` and `xml2`. When `venue = "r"`, `upload.fun` is set to `identity()`, so that figures remain local. In that case, you may also want to set `outfile`. You can supplement or override these options with special comments in your code (see examples).

Syntax highlighting

Experimental

A secondary use case for reprex is to produce syntax highlighted code snippets, with or without rendering, to paste into applications like Microsoft Word, PowerPoint, or Keynote. Use `venue = "rtf"` for this.

This feature is experimental and requires the installation of the [highlight](#) command line tool. The "rtf" venue is documented in [its own article](#)

Examples

```
## Not run:
# put some code like this on the clipboard
# (y <- 1:4)
# mean(y)
reprex()

# provide code as an expression
reprex(rbinom(3, size = 10, prob = 0.5))
reprex({y <- 1:4; mean(y)})
reprex({y <- 1:4; mean(y)}, style = TRUE)

# note that you can include newlines in those brackets
# in fact, that is often a good idea
reprex({
  x <- 1:4
  y <- 2:5
  x + y
})

## provide code via character vector
reprex(input = c("x <- 1:4", "y <- 2:5", "x + y"))

## if just one line, terminate with '\n'
reprex(input = "rnorm(3)\n")

## customize the output comment prefix
reprex(rbinom(3, size = 10, prob = 0.5), comment = "#;-)")

# override a default chunk option
reprex({
  #+ setup, include = FALSE
  knitr::opts_chunk$set(collapse = FALSE)

  #+ actual-reprex-code
  (y <- 1:4)
  median(y)
})

# add prose, use general markdown formatting
reprex({
  #' # A Big Heading
```

```

#'
#' Look at my cute example. I love the
#' [reprex](https://github.com/tidyverse/reprex#readme) package!
y <- 1:4
mean(y)
}, advertise = FALSE)

# read reprex from file
tmp <- file.path(tempdir(), "foofy.R")
writeLines(c("x <- 1:4", "mean(x)"), tmp)
reprex(input = tmp)

# read from file and write to similarly-named outfiles
reprex(input = tmp, outfile = NA)
list.files(dirname(tmp), pattern = "foofy")

# clean up
file.remove(list.files(dirname(tmp), pattern = "foofy", full.names = TRUE))

# write rendered reprex to file
tmp <- file.path(tempdir(), "foofy")
reprex({
  x <- 1:4
  y <- 2:5
  x + y
}, outfile = tmp)
list.files(dirname(tmp), pattern = "foofy")

# clean up
file.remove(list.files(dirname(tmp), pattern = "foofy", full.names = TRUE))

# write reprex to file AND keep figure local too, i.e. don't post to imgur
tmp <- file.path(tempdir(), "foofy")
reprex({
  #+ setup, include = FALSE
  knitr::opts_knit$set(upload.fun = identity)

  #+ actual-reprex-code
  #' Some prose
  ## regular comment
  (x <- 1:4)
  median(x)
  plot(x)
}, outfile = tmp)
list.files(dirname(tmp), pattern = "foofy")

# clean up
unlink(
  list.files(dirname(tmp), pattern = "foofy", full.names = TRUE),
  recursive = TRUE
)

## target venue = R, also good for email or Slack snippets

```

```

ret <- reprex({
  x <- 1:4
  y <- 2:5
  x + y
}, venue = "R")
ret

## target venue = html
ret <- reprex({
  x <- 1:4
  y <- 2:5
  x + y
}, venue = "html")
ret

## include prompt and don't comment the output
## use this when you want to make your code hard to execute :)
reprex({
  #+ setup, include = FALSE
  knitr::opts_chunk$set(comment = NA, prompt = TRUE)

  #+ actual-reprex-code
  x <- 1:4
  y <- 2:5
  x + y
})

## leading prompts are stripped from source
reprex(input = c("> x <- 1:3", "> median(x)"))

## End(Not run)

```

reprex_addin

Render a reprex, conveniently

Description

reprex_addin() opens an **RStudio gadget** and **addin** that allows you to say where the reprex source is (clipboard? current selection? active file? other file?) and to control a few other arguments. Appears as "Render reprex" in the RStudio Addins menu.

reprex_selection() is an **addin** that reprexes the current selection, optionally customised by options. Appears as "Reprex selection" in the RStudio Addins menu. Heavy users might want to **create a keyboard shortcut**.

Usage

```
reprex_addin()
```

```
reprex_selection(venue = getOption("reprex.venue", "gh"))
```

Arguments

venue	<p>Character. Must be one of the following (case insensitive):</p> <ul style="list-style-type: none"> • "gh" for GitHub-Flavored Markdown, the default • "r" for a runnable R script, with commented output interleaved. Also useful for Slack code snippets; select "R" from the "Type" drop-down menu to enjoy nice syntax highlighting. • "rtf" for Rich Text Format (not supported for un-reprexing) • "html" for an HTML fragment suitable for inclusion in a larger HTML document (not supported for un-reprexing) • "slack" for pasting into a Slack message. Works best if you opt out of Slack's WYSIWYG interface and, instead, go to Preferences > Advanced and select "Format messages with markup". • "so" for Stack Overflow Markdown. Note: this is just an alias for "gh", since Stack Overflow started to support CommonMark-style fenced code blocks in January 2019. • "ds" for Discourse, e.g., community.rstudio.com. Note: this is currently just an alias for "gh".
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reprex_document

reprex output format

Description

This is an R Markdown output format designed specifically for making "reprexes", typically created via the `reprex()` function, which ultimately renders the document with `reprex_render()`. It is a heavily modified version of `rmarkdown::md_document()`. The arguments have different spheres of influence:

- venue potentially affects input preparation and `reprex_render()`.
- Add content to the primary input, prior to rendering:
 - advertise
 - session_info
 - std_out_err (also consulted by `reprex_render()`)
- Influence knitr package or chunk options:
 - style
 - comment
 - tidyverse_quiet
- html_preview is only consulted by `reprex_render()`, but it is a formal argument of `reprex_document()` so that it can be included in the YAML frontmatter.

RStudio users can create new R Markdown documents with the `reprex_document()` format using built-in templates. Do *File > New File > R Markdown ... > From Template* and choose one of:

- reprex (minimal)

- reprex (lots of features)

Both include `knit: reprex::reprex_render` in the YAML, which causes the RStudio "Knit" button to use `reprex_render()`. If you render these documents yourself, you should do same.

Usage

```
reprex_document(
  venue = c("gh", "r", "rtf", "html", "slack", "so", "ds"),
  advertise = NULL,
  session_info = opt(FALSE),
  style = opt(FALSE),
  comment = opt("#>"),
  tidyverse_quiet = opt(TRUE),
  std_out_err = opt(FALSE),
  pandoc_args = NULL,
  html_preview
)
```

Arguments

venue	Character. Must be one of the following (case insensitive): <ul style="list-style-type: none"> • "gh" for GitHub-Flavored Markdown, the default • "r" for a runnable R script, with commented output interleaved. Also useful for Slack code snippets; select "R" from the "Type" drop-down menu to enjoy nice syntax highlighting. • "rtf" for Rich Text Format (not supported for un-reprexing) • "html" for an HTML fragment suitable for inclusion in a larger HTML document (not supported for un-reprexing) • "slack" for pasting into a Slack message. Works best if you opt out of Slack's WYSIWYG interface and, instead, go to Preferences > Advanced and select "Format messages with markup". • "so" for Stack Overflow Markdown. Note: this is just an alias for "gh", since Stack Overflow started to support CommonMark-style fenced code blocks in January 2019. • "ds" for Discourse, e.g., community.rstudio.com. Note: this is currently just an alias for "gh".
advertise	Logical. Whether to include a footer that describes when and how the reprex was created. If unspecified, the option <code>reprex.advertise</code> is consulted and, if that is not defined, default is TRUE for venues "gh", "html", "so", "ds" and FALSE for "r", "rtf", "slack".
session_info	Logical. Whether to include <code>sessioninfo::session_info()</code> , if available, or <code>sessionInfo()</code> at the end of the reprex. When venue is "gh", the session info is wrapped in a collapsible details tag. Read more about <code>opt()</code> .
style	Logical. Whether to set the knitr chunk option <code>tidy = "styler"</code> , which restyles code with the styler package . Read more about <code>opt()</code> .

comment	Character. Prefix with which to comment out output, defaults to "#>". Read more about opt() .
tidyverse_quiet	Logical. Sets the options <code>tidyverse.quiet</code> and <code>tidymodels.quiet</code> , which suppress (TRUE, the default) or include (FALSE) the startup messages for the tidyverse and tidymodels packages. Read more about opt() .
std_out_err	Logical. Whether to append a section for output sent to stdout and stderr by the reprex rendering process. This can be necessary to reveal output if the reprex spawns child processes or <code>system()</code> calls. Note this cannot be properly interleaved with output from the main R process, nor is there any guarantee that the lines from standard output and standard error are in correct chronological order. See callr::r() for more. Read more about opt() .
pandoc_args	Additional command line options to pass to pandoc
html_preview	Logical. Whether to show rendered output in a viewer (RStudio or browser). Always FALSE in a noninteractive session. Read more about opt() .

Value

An R Markdown output format to pass to [rmarkdown::render\(\)](#).

Examples

```
reprex_document()
```

reprex_locale	<i>Render a reprex in a specific locale</i>
---------------	---

Description

Render a [reprex\(\)](#), with control over the localization of error messages and aspects of the locale. Note that these are related but distinct issues! Typical usage is for someone on a Spanish system to create a reprex that is easier for an English-speaking audience to follow.

Usage

```
reprex_locale(..., language = "en", locale = NULL)
```

Arguments

...	Inputs passed through to reprex() .
language	A string specifying the preferred language for messages. It is enacted via the LANGUAGE environment variable, for the duration of the <code>reprex()</code> call. Examples: "en" for English and "fr" for French. See Details for more.
locale	A named character vector, specifying aspects of the locale, in the Sys.setlocale() sense. It is enacted by setting one or more environment variables, for the duration of the <code>reprex()</code> call. See Details for more.

Value

Character vector of rendered reprex, invisibly.

language

Use the `language` argument to express the preferred language of error messages. The output of `dir(system.file(package = "translations"))` may provide some helpful ideas. The language should generally follow "XPG syntax": a two-letter language code, optionally followed by other modifiers.

Examples: "en", "de", "en_GB", "pt_BR".

locale

Use the `locale` argument only if you want to affect something like how day-of-the week or month is converted to character. You are less likely to need to set this than the `language` argument. You may have more success setting specific categories, such as "LC_TIME", than multi-category shortcuts like "LC_ALL" or "LANG". The `locale` values must follow the format dictated by your operating system and the requested locale must be installed. Note that the format for `locale` and `language` are different from each other on Windows.

Examples: "en_CA.UTF-8" (macOS), "French_France.1252" (Windows).

See Also

- The [Locale Names](#) section of the GNU C docs, for more about XPG syntax
- The [Internationalization and Localization](#) section of the R Installation and Administration manual

Examples

```
## Not run:

# if all you want to do is make sure messages are in English
reprex_locale("a" / 2)

# change messages to a specific language
reprex_locale({
  "a" / 2
}, language = "it")

reprex_locale({
  "a" / 2
}, language = "fr_CA")

reprex_locale({
  "a" / 2
}, language = "pt_BR")

#' # get day-of-week and month to print in French (not Windows)
reprex_locale({
  format(as.Date(c("2019-01-01", "2019-02-01")), "%a %b %d")
})
```

```

}, locale = c(LC_TIME = "fr_FR"))

# get day-of-week and month to print in French (Windows)
# assumes that the relevant language is installed on the system
# LC_TIME can also be specified as "French" or "French_France" here

## End(Not run)

```

reprex_options

reprex options

Description

Some `reprex()` behaviour can be controlled via an option, providing a way for the user to set personal defaults. The pattern for option names is `reprex.<arg>`, where `<arg>` is an argument of `reprex()`. Here are the main ones:

- `reprex.advertise`
- `reprex.session_info` (previously, `reprex.si`)
- `reprex.style`
- `reprex.html_preview` (previously, `reprex.show`)
- `reprex.comment`
- `reprex.tidyverse_quiet`
- `reprex.std_out_err`

A few more options exist, but are only relevant to specific situations:

- `reprex.venue`: Can be used to control the venue used by the `reprex_selection()` addin.
- `reprex.current_venue`: Read-only option that is set during `reprex_render()`. Other packages that want to generate reprex-compatible output can consult it via `getOption("reprex.current_venue")`, if they want to tailor their output to the venue.
- `reprex.highlight.hl_style`: Only relevant to `venue = "rtf"`. Details are in the article [reprex venue RTF](#).
- `reprex.highlight.font`: See above.
- `reprex.highlight.font_size`: See above.
- `reprex.highlight.other`: See above.

Here's code you could put in `.Rprofile` to set reprex options. It would be rare to want non-default behaviour for all of these! We only do so here for the sake of exposition:

```

options(
  reprex.advertise      = FALSE,
  reprex.session_info   = TRUE,
  reprex.style          = TRUE,
  reprex.html_preview   = FALSE,

```

```

reprex.comment      = "#;-)",
reprex.tidyverse_quiet = FALSE,
reprex.std_out_err  = TRUE,
reprex.venue        = "html", # NOTE: only affects reprex_selection()!
reprex.highlight.hl_style = "acid", # NOTE: only affects RTF venue
reprex.highlight.font   = "Andale Mono Regular",
reprex.highlight.font_size = 35,
reprex.highlight.other  = "--line-numbers"
)

```

The function `usethis::edit_r_profile()` is handy for creating and/or opening your `.Rprofile`.

Explaining the `opt()` helper

Arguments that appear like so in `reprex()`:

```
reprex(..., arg = opt(DEFAULT), ...)
```

get their value according to this logic:

```

user-specified value or, if not given,
  getOption("reprex.arg") or, if does not exist,
  DEFAULT

```

It's shorthand for:

```
f(..., arg = getOption("reprex.arg", DEFAULT), ...)
```

This is not an exported function and should not be called directly.

```
reprex_render
```

```
Render a document in a new R session
```

Description

This is a wrapper around `rmarkdown::render()` that enforces the "reprex" mentality. Here's a simplified version of what happens:

```

callr::r(
  function(input) {
    rmarkdown::render(input, envir = globalenv(), encoding = "UTF-8")
  },
  args = list(input = input),
  spinner = is_interactive(),
  stdout = std_file, stderr = std_file
)

```

Key features to note

- `rmarkdown::render()` is executed in a new R session, by using `callr::r()`. The goal is to eliminate the leakage of objects, attached packages, and other aspects of session state from the current session into the rendering session. Also, the system and user-level `.Rprofiles` are ignored.
- Code is evaluated in the `globalenv()` of this new R session, which means that method dispatch works the way most people expect it to.
- The input file is assumed to be UTF-8, which is a knitr requirement as of v1.24.
- If the YAML frontmatter includes `std_err_out: TRUE`, standard output and error of the rendering R session are captured in `std_file`, which is then injected into the rendered result.

`reprex_render()` is designed to work with the `reprex_document()` output format, typically through a call to `reprex()`. `reprex_render()` may work with other R Markdown output formats, but it is not well-tested.

Usage

```
reprex_render(input, html_preview = NULL, encoding = "UTF-8")
```

Arguments

<code>input</code>	The input file to be rendered. This can be a <code>.R</code> script or a <code>.Rmd</code> R Markdown document.
<code>html_preview</code>	Logical. Whether to show rendered output in a viewer (RStudio or browser). Always <code>FALSE</code> in a noninteractive session. Read more about <code>opt()</code> .
<code>encoding</code>	The encoding of the input file. Note that the only acceptable value is "UTF-8", which is required by knitr as of v1.24. This is exposed as an argument purely for technical convenience, relating to the "Knit" button in the RStudio IDE.

Value

The output of `rmarkdown::render()` is passed through, i.e. the path of the output file.

Examples

```
## Not run:
reprex_render("input.Rmd")

## End(Not run)
```

reprex_venue	<i>Venue-specific shortcuts</i>
--------------	---------------------------------

Description

These are thin wrappers around `reprex()` that incorporate the target venue as a suffix in the function name, for easier access via auto-completion.

Usage

```
reprex_html(...)
reprex_r(...)
reprex_rtf(...)
reprex_slack(...)
```

Arguments

... Passed along to `reprex()`.

un-reprex	<i>Un-render a reprex</i>
-----------	---------------------------

Description

Recover clean, runnable code from a reprex captured in the wild and write it to user's clipboard. The code is also returned invisibly and optionally written to file. Three different functions address various forms of wild-caught reprex.

Usage

```
reprex_invert(
  input = NULL,
  outfile = NULL,
  venue = c("gh", "r", "so", "ds"),
  comment = opt("#>")
)

reprex_clean(input = NULL, outfile = NULL, comment = opt("#>"))

reprex_rescue(
  input = NULL,
  outfile = NULL,
  prompt = getOption("prompt"),
  continue = getOption("continue")
)
```

Arguments

`input` Character. If has length one and lacks a terminating newline, interpreted as the path to a file containing reprex code. Otherwise, assumed to hold reprex code as character vector. If not provided, the clipboard is consulted for input.

outfile	Optional basename for output file. When NULL, no file is left behind. If outfile = "foo", expect an output file in current working directory named foo_clean.R. If outfile = NA, expect on output file in a location and with basename derived from input, if a path, or in current working directory with basename derived from <code>tempfile()</code> otherwise.
venue	Character. Must be one of the following (case insensitive): <ul style="list-style-type: none"> • "gh" for GitHub-Flavored Markdown, the default • "r" for a runnable R script, with commented output interleaved. Also useful for Slack code snippets; select "R" from the "Type" drop-down menu to enjoy nice syntax highlighting. • "rtf" for Rich Text Format (not supported for un-reprexing) • "html" for an HTML fragment suitable for inclusion in a larger HTML document (not supported for un-reprexing) • "slack" for pasting into a Slack message. Works best if you opt out of Slack's WYSIWYG interface and, instead, go to Preferences > Advanced and select "Format messages with markup". • "so" for Stack Overflow Markdown. Note: this is just an alias for "gh", since Stack Overflow started to support CommonMark-style fenced code blocks in January 2019. • "ds" for Discourse, e.g., community.rstudio.com. Note: this is currently just an alias for "gh".
comment	regular expression that matches commented output lines
prompt	character, the prompt at the start of R commands
continue	character, the prompt for continuation lines

Value

Character vector holding just the clean R code, invisibly

Functions

- `reprex_invert`: Attempts to reverse the effect of `reprex()`. When `venue = "r"`, this just becomes a wrapper around `reprex_clean()`.
- `reprex_clean`: Assumes R code is top-level, possibly interleaved with commented output, e.g., a displayed reprex copied from GitHub or the direct output of `reprex(..., venue = "R")`. This function removes commented output.
- `reprex_rescue`: Assumes R code lines start with a prompt and that printed output is top-level, e.g., what you'd get from copy/paste from the R Console. Removes lines of output and strips prompts from lines holding R commands.

Examples

```
## Not run:
## a rendered reprex can be inverted, at least approximately
tmp_in <- file.path(tempdir(), "roundtrip-input")
x <- reprex({
```



```

#' Some text
#+ chunk-label-and-options-cannot-be-recovered, message = TRUE
(x <- 1:4)
#' More text
y <- 2:5
x + y
}, html_preview = FALSE, advertise = FALSE, outfile = tmp_in)
tmp_out <- file.path(tempdir(), "roundtrip-output")
x <- reprex_invert(x, outfile = tmp_out)
x

# clean up
file.remove(
  list.files(dirname(tmp_in), pattern = "roundtrip", full.names = TRUE)
)

## End(Not run)
## Not run:
## a displayed reprex can be cleaned of commented output
tmp <- file.path(tempdir(), "commented-code")
x <- c(
  "## a regular comment, which is retained",
  "(x <- 1:4)",
  "#> [1] 1 2 3 4",
  "median(x)",
  "#> [1] 2.5"
)
out <- reprex_clean(x, outfile = tmp)
out

# clean up
file.remove(
  list.files(dirname(tmp), pattern = "commented-code", full.names = TRUE)
)

## round trip with reprex(..., venue = "R")
code_in <- c("x <- rnorm(2)", "min(x)")
res <- reprex(input = code_in, venue = "R", advertise = FALSE)
res
(code_out <- reprex_clean(res))
identical(code_in, code_out)

## End(Not run)
## Not run:
## rescue a reprex that was copied from a live R session
tmp <- file.path(tempdir(), "live-transcript")
x <- c(
  "> ## a regular comment, which is retained",
  "> (x <- 1:4)",
  "[1] 1 2 3 4",
  "> median(x)",
  "[1] 2.5"
)

```

```
out <- reprex_rescue(x, outfile = tmp)
out

# clean up
file.remove(
  list.files(dirname(tmp), pattern = "live-transcript", full.names = TRUE)
)

## End(Not run)
```

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