

Package ‘chatgpt’

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Type Package

Title Interface to 'ChatGPT' from R

Version 0.1.4

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Description

'OpenAI's 'ChatGPT' <<https://openai.com/blog/chatgpt/>> coding assistant for 'RStudio'.
A set of functions and 'RStudio' addins that aim to help the R developer in tedious coding tasks.

License GPL (>= 3)

URL <https://github.com/jcrodriguez1989/chatgpt>

BugReports <https://github.com/jcrodriguez1989/chatgpt/issues>

Encoding UTF-8

RoxygenNote 7.2.0

Imports httr, jsonlite, miniUI, rstudioapi, shiny, utils

NeedsCompilation no

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Repository CRAN

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R topics documented:

comment_code	2
create_variable_name	2
document_code	3
explain_code	3
find_issues_in_code	4
gpt_get_completions	5
optimize_code	5
refactor_code	6
run_addin	6
run_addin_ask_chatgpt	7

Index	8
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comment_code

ChatGPT: Comment Code

Description

ChatGPT: Comment Code

Usage

```
comment_code(code)
```

Arguments

code The code to be commented by ChatGPT.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(comment_code("for (i in 1:10) {\n print(i ** 2)\n}"))  
  
## End(Not run)
```

create_variable_name*ChatGPT: Create Variable Name*

Description

ChatGPT: Create Variable Name

Usage

```
create_variable_name(code)
```

Arguments

code The code for which to give a variable name to its result.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(create_variable_name("sapply(1:10, function(i) i ** 2)"))  
  
## End(Not run)
```

document_code	<i>ChatGPT: Document Code (in roxygen2 format)</i>
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Description

ChatGPT: Document Code (in roxygen2 format)

Usage

```
document_code(code)
```

Arguments

code The code to be documented by ChatGPT.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(document_code("square_numbers <- function(numbers) numbers ** 2"))  
  
## End(Not run)
```

explain_code	<i>ChatGPT: Explain Code</i>
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Description

ChatGPT: Explain Code

Usage

```
explain_code(code)
```

Arguments

code The code to be explained by ChatGPT.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(explain_code("for (i in 1:10) {\n  print(i ** 2)\n}"))  
  
## End(Not run)
```

find_issues_in_code *ChatGPT: Find Issues in Code*

Description

ChatGPT: Find Issues in Code

Usage

```
find_issues_in_code(code)
```

Arguments

code The code to be analyzed by ChatGPT.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(find_issues_in_code("i <- 0\nwhile (i < 0) {\n  i <- i - 1\n}"))  
  
## End(Not run)
```

gpt_get_completions *Get GPT Completions Endpoint*

Description

Get GPT Completions Endpoint

Usage

```
gpt_get_completions(prompt, openai_api_key = Sys.getenv("OPENAI_API_KEY"))
```

Arguments

prompt The prompt to generate completions for.
openai_api_key OpenAI's API key.

optimize_code *ChatGPT: Optimize Code*

Description

ChatGPT: Optimize Code

Usage

```
optimize_code(code)
```

Arguments

code The code to be optimized by ChatGPT.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(optimize_code("i <- 10\nwhile (i > 0) {\n  i <- i - 1\n  print(i)\n}"))  
  
## End(Not run)
```

refactor_code *ChatGPT: Refactor Code*

Description

ChatGPT: Refactor Code

Usage

```
refactor_code(code)
```

Arguments

code The code to be refactored by ChatGPT.

Value

A character value with the response generated by ChatGPT.

Examples

```
## Not run:  
cat(refactor_code("i <- 10\nwhile (i > 0) {\n  i <- i - 1\n  print(i)\n}"))  
  
## End(Not run)
```

run_addin *Run a ChatGPT RStudio Addin*

Description

Run a ChatGPT RStudio Addin

Usage

```
run_addin(addin_name)
```

Arguments

addin_name The name of the adding to execute.

run_addin_ask_chatgpt *Ask ChatGPT*

Description

Opens an interactive chat session with ChatGPT

Usage

`run_addin_ask_chatgpt()`

Index

`comment_code`, [2](#)
`create_variable_name`, [2](#)

`document_code`, [3](#)

`explain_code`, [3](#)

`find_issues_in_code`, [4](#)

`gpt_get_completions`, [5](#)

`optimize_code`, [5](#)

`refactor_code`, [6](#)
`run_addin`, [6](#)
`run_addin_ask_chatgpt`, [7](#)