Github Copilot Cheatsheet

A complete list of things you can do with Github Copilot and how you can do them. The instructions were generated with VS Code in mind, but they should work on other IDEs as well.
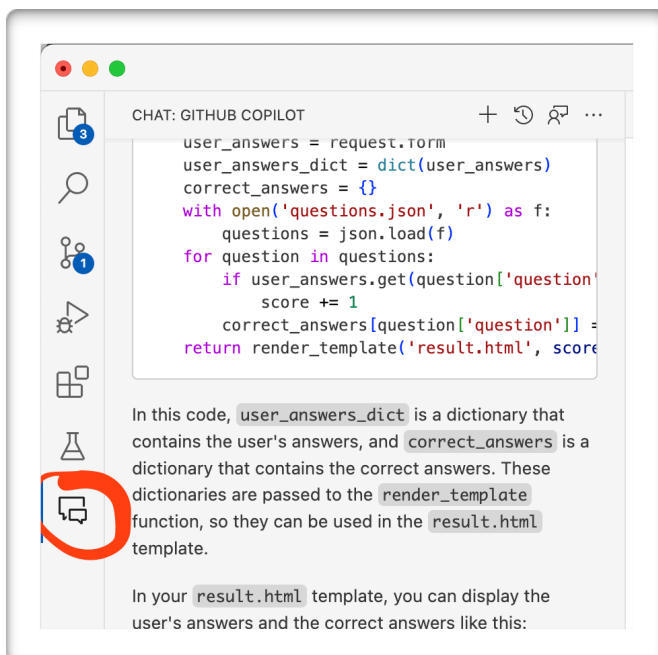
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Setting up Github Copilot

In VS Code: Go to the Extensions tool in the left side toolbar, search for Github Copilot and install it.

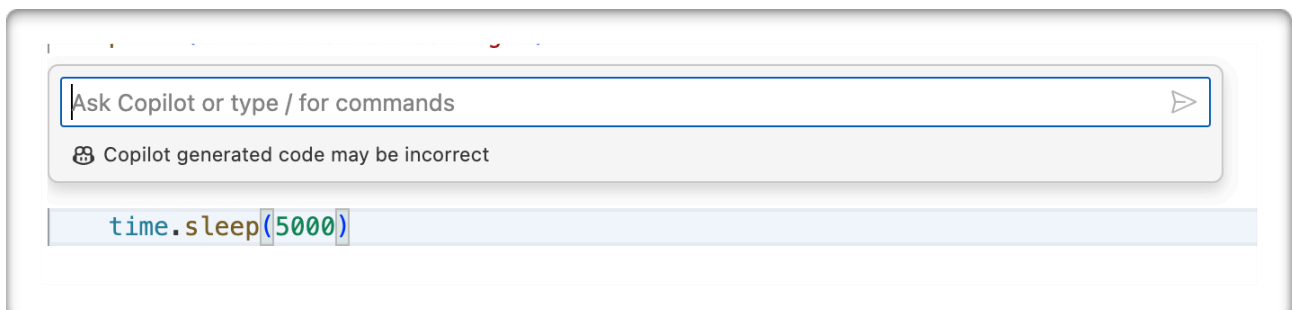In PyCharm: Go to Settings -> Plugins -> Marketplace tab, search for Github Copilot and install it.

Open chat window

Access the chat using the chat icon located on the left side of VS Code and write a query in the chat.

Open inline chat

Press CTRL + I or CMD + I to start inline chat.

Generate code from a comment

Write a comment and press enter to go to the next line. Press Tab to accept the gray suggestion of Copilot.

```python
rate = input("Enter the rate: ")

# Print "Hello" every 5 sec until the rate is greater than 4
while rate > 4:
```

Autocomplete code from partial code

Start writing code. Soon, Copilot will suggest some code in gray. Press Tab to accept the suggestion.

```python
while rate > 4:
    print "Enter a valid rate"
    rate = input("Enter the rate: ")
```

Accept only a word from a suggestion

Press CTRL + -> or CMD + -> to accept only the suggestion word by word.

Show alternative suggestion

Press ALT +] to show alternative suggestions instead of accepting the given suggestion.

Show previous suggestion

After having pressed ALT +] press ALT + [to show the previous suggestion.

Fix code

Open the inline chat with CTRL + I or CMD + I in the file that has the buggy code. Type in /fix followed by a description of the issue.

```python
import time

while True:
    print("The rate is too high")
```

/fix the program is not printing every five seconds

To fix the issue and make the program print every five seconds, I would replace the `time.sleep(5000)` line with `time.sleep(5)`.

Accept Discard ∨ ↻   Changed 1 line 👍 👎

```python
    time.sleep(5000)      →  5+      time.sleep(5)
```

Refactor code

Open the inline chat with CTRL + I or CMD + I and write the query in the chat by mentioning the name of the function or class which you want to refactor.

```
4

refactor the foo function making it a class

Accept  Discard ∨  ↻                                          👍 👎

                                  5+   class Foo:
5-   def foo():                   6+       def __init__(self):
                                  7+           pass
                                  8+
                                  9+       def print_message(self):
6        print("Hello from foo!") 10           print("Hello from foo!")
7                                 11
                                  12+
13
```
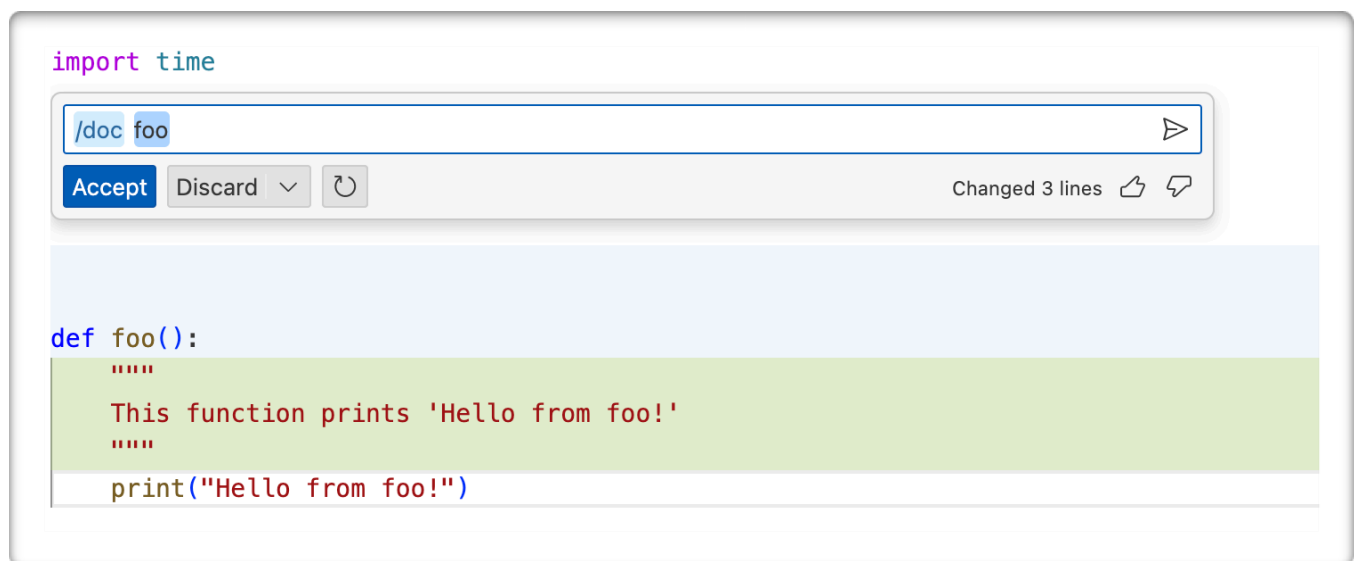
Document code

Open the inline chat with CTRL + I or CMD + I in the file that has the code you want to document. Type in /doc followed by the name of the function or class you want to document.

```
import time

/doc foo                                                    ▷

Accept  Discard  ⌄   ↻                      Changed 3 lines  👍 👎


def foo():
    """
    This function prints 'Hello from foo!'
    """
    print("Hello from foo!")
```

Create unit tests

Open the inline chat with CTRL + I or CMD + I in the file that has the code you want to document. Type in /tests followed by the name of the function or class you want to create a unit test for. The test will be generated in a separate file in your main project directory.

Ask questions about your project

Access the main chat window using the chat icon located on the left side of VS Code and write your question in the chat. Github Copilot can answer questions about your project since it has access to your files.

Ask general programming questions

Access the main chat window using the chat icon located on the left side of VS Code and write your general programming questions in the chat.