

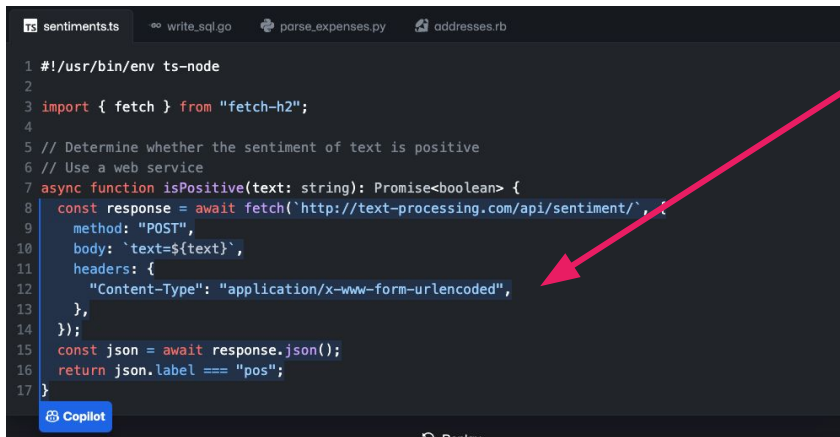
# GitHub Copilot Capabilities and Limitations

**Discuss what Copilot can and can't do, to determine if it's suitable for your project.**

# Github Co-pilot Capabilities

# Generate Code From Comments/Function Names

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```
1 #!/usr/bin/env ts-node
2
3 import { fetch } from "fetch-h2";
4
5 // Determine whether the sentiment of text is positive
6 // Use a web service
7 async function isPositive(text: string): Promise<boolean> {
8   const response = await fetch("http://text-processing.com/api/sentiment/", {
9     method: "POST",
10    body: `text=${text}`,
11    headers: {
12      "Content-Type": "application/x-www-form-urlencoded",
13    },
14  });
15  const json = await response.json();
16  return json.label === "pos";
17 }
```

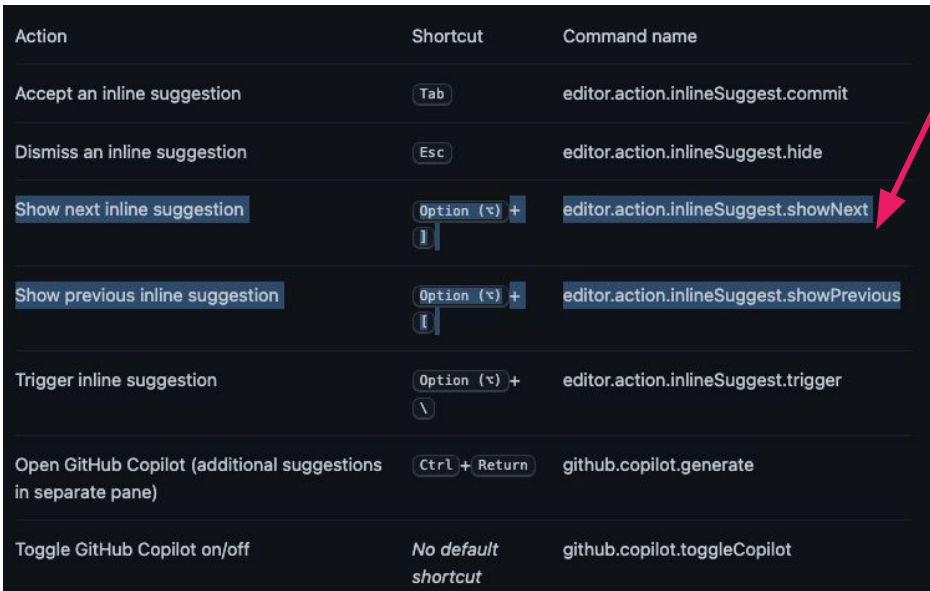
Github Co-pilot can generate code from comments or function names.

# High Quality Code Suggestions

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Co-pilot will parse your **project's code**, therefore it can **adapt to your coding style and project**.

# Choose From Multiple Suggestions



A screenshot of the VS Code keyboard shortcuts editor, specifically for the 'editor.action.inlineSuggest' command. The table lists several actions with their corresponding shortcuts and command names. A red arrow points from the text on the right to the 'Show next inline suggestion' row.

Action	Shortcut	Command name
Accept an inline suggestion	<code>Tab</code>	<code>editor.action.inlineSuggest.commit</code>
Dismiss an inline suggestion	<code>Esc</code>	<code>editor.action.inlineSuggest.hide</code>
Show next inline suggestion	<code>Option (⌘) + I</code>	<code>editor.action.inlineSuggest.showNext</code>
Show previous inline suggestion	<code>Option (⌘) + I</code>	<code>editor.action.inlineSuggest.showPrevious</code>
Trigger inline suggestion	<code>Option (⌘) + \</code>	<code>editor.action.inlineSuggest.trigger</code>
Open GitHub Copilot (additional suggestions in separate pane)	<code>Ctrl + Return</code>	<code>github.copilot.generate</code>
Toggle GitHub Copilot on/off	No default shortcut	<code>github.copilot.toggleCopilot</code>

If you're not happy with the code output you can change to a new suggestion.

# Github Co-pilot Limitations

# Limited Code Output

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Personally I've found that if I'm generating code, **ChatGPT will output more extensive code.** However Co-pilot's recommendations are good for whilst being in the **flow of coding.**

# Slower in Larger Projects

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Github co-pilot **can be slower as your project size grows.**  
This is because the extension is parsing all of your project's source code.



# Limited Configurability

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Github Co-pilot doesn't have any model options. The only way we can influence the output is with:

- More extensive comments.
- Function/Class names.
- The existing code within your project.
- Adding types to your code.
- Using different packages.