**Lab Exercise 6- for @terminal, @workspace, and @vscode in GitHub Copilot Chat**

Here are more **real-world use cases** to help you get the most out of these commands.

**1. @terminal Use Cases (Running Shell Commands)**

**Best for: Running commands without leaving VS Code**

1. **System & Environment Checks**

* Check Python version:

@terminal python --version

1. **Managing Git Repositories**

* Check Git status:

@terminal git status

* Commit changes:

@terminal git add . && git commit -m "Initial commit"

* Install React in a project:

@terminal npx create-react-app my-app

1. **Running & Debugging Applications**

* Run a Python script:

@terminal python app.py

**2. @workspace Use Cases (Interacting with Project Files)**

**Best for: Searching, managing, and navigating files**

**Searching for Code in a Large Project**

* Locate TODO comments in the codebase:

@workspace search "TODO"

**Opening and Editing Files**

* Open a configuration file:

@workspace open config.json

* Open the main project README:

@workspace open README.md

**Managing Large Projects**

* List all .py files:

@workspace list files \*.py

**3. @vscode Use Cases (Performing VS Code Actions)**

**Best for: Automating VS Code settings & actions**

**Managing Extensions & Settings**

* Open installed extensions:

@vscode open extensions

**Summary**

| **Command** | **Best For** | **Example** |
| --- | --- | --- |
| @terminal | Running shell commands | @terminal git pull |
| @workspace | Searching & opening files | @workspace search "import pandas" |
| @vscode | Automating VS Code actions | @vscode format document |

These commands **streamline development**, making you more productive in **GitHub Copilot Chat**!