

GitHub Copilot and Copilot Chat Cheat Sheet

Autocomplete Suggestions:

- Accept Suggestion: ``Tab`` or ``Enter``
- Trigger Suggestions Manually: ``Ctrl + Space`` (or ``Cmd + Space`` on Mac)
- Cycle Through Suggestions: ``Alt +]`` and ``Alt + [`` (or ``Option +]`` and ``Option + [`` on Mac)

GitHub Copilot Tips

Effective Prompts:

- **Be Descriptive:** Use clear and detailed comments to describe the desired functionality.
Example: ``// Generate a function to sort an array of integers``
- **Provide Examples:** Include input and output examples in comments to guide Copilot.
Example: ``// Example input: [3, 1, 4], Example output: [1, 3, 4]``
- **Iterative Refinement:** Start with a basic prompt and refine it based on the suggestions provided by Copilot.

Common Prompts:

- **Basic Function Generation:**
Comment: ``// Generate a function to reverse a string``
- **Complex Algorithm:**
Comment: ``// Generate a func to find the longest common subsequence between two strings``
- **Data Processing:**
Comment: ``// Generate a function to filter an array of objects based on a property value``

GitHub Copilot Chat Tips

Engaging with Copilot Chat:

- **Interactive Debugging:** Ask Copilot Chat specific questions about errors or issues to get detailed explanations and solutions.
Example: ``Why am I getting a null pointer exception here?``
- **Contextual Help:** Use Copilot Chat to get context-aware assistance.
Example: ``Can you explain what this piece of code is doing?``
- **Code Review Assistance:** Ask Copilot Chat to review code and identify potential issues.
Example: ``Are there any potential issues with this function?``

Common Queries:

- Understanding Code: ``What does this code do?``
- Improving Code: ``How can I improve this function?``
- Fixing Errors: ``How do I fix this error: [error message]?``
- Best Practices: ``What are the best practices for implementing [feature]?``