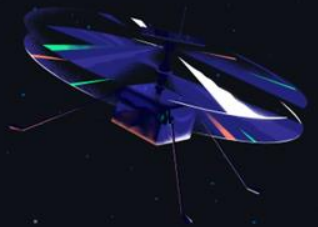# GitHub Copilot Training Database Focus

Andrew Scoppa

GitHub Copilot Fundamentals

Let's start with a high-level overview of GitHub Copilot

- GitHub Copilot is there to enhance daily work
    - Like a smart assistant or mentor by your side
- Draws context from text & code in open tabs
- Powered by OpenAI
    - Copilot uses a transformative model
    - Think of something like Google Translate
- Trained on large datasets to ensure accuracy
    - It even can help with HTML and markdown!
- Available as an extension to IDEs and editors

Providing Context

To help Copilot generate accurate suggestions:

- Add a top-level comment block describing the purpose of the file

-- Provide detailed comment block for operations

- Have related content open in other tabs

```sql
/*
This file demonstrates Microsoft T-SQL commands
crafted using Copilot.
*/

-- If database 'Inventory' exists, drop it
IF EXISTS (SELECT * FROM sys.databases WHERE name =
'inventory')
    DROP DATABASE inventory;

-- Create a new database named 'Inventory'
CREATE DATABASE inventory;

-- Use the database
USE inventory;

/*
Generate a table named 'products' with the following
columns:
- id: an integer that is the primary key
- name: a string that is not null
- price: a decimal that is not null
*/
CREATE TABLE products (
    id INT PRIMARY KEY,
    name VARCHAR(255) NOT NULL,
    price DECIMAL(10, 2) NOT NULL
);
```

4

Copilot vs Copilot Chat

Copilot

Direct Code Writing

_____

Seamless IDE Integration

_____

Solo Development

Copilot Chat

In-Depth Interactive Assistance

_____

Learning & Teaching

_____

Collaborative Scenarios

VS Code Settings

Configuration Options

Status: Ready
GitHub Copilot Chat
Open Completions Panel...
Disable Completions
Disable Completions for 'markdown'
Edit Keyboard Shortcuts...
Edit Settings...
Show Diagnostics...
Open Logs...
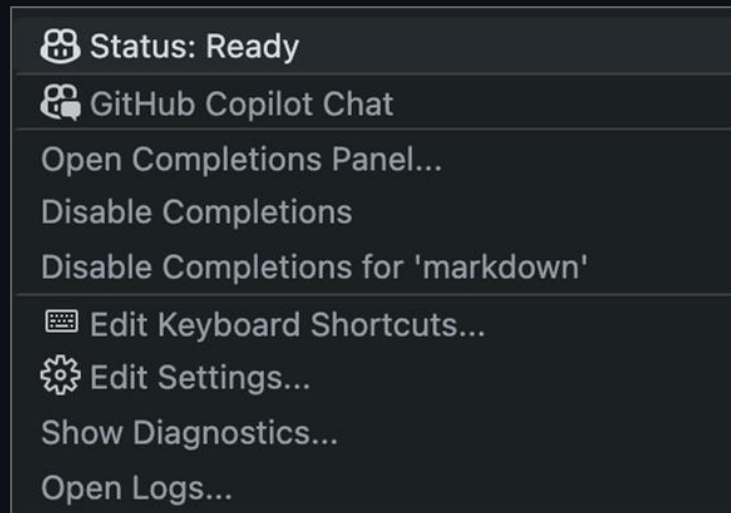
Configuring GitHub Copilot in your environment

Demos

Thank you