

Get started with AI-assisted development (AZ-2007)

Duration: 1 Day **Course Code: M-AZ2007**

Overview:

Learn how to accelerate app development by using GitHub Copilot and GitHub Copilot Chat in a Visual Studio Code environment.

Prerequisites:

- An active subscription for GitHub Copilot is required for either a personal GitHub account or a GitHub account managed by an organization or enterprise.
- One or more years of code develop experience is recommended.
- Some experience developing C# applications in Visual Studio Code with the C# Dev Kit extension is recommended.

Content:

Module 1: Get started with GitHub Copilot

- Examine AI tools from GitHub, OpenAI, and Microsoft
- Compare GitHub Copilot plans
- Review GitHub Copilot features
- Examine GitHub Copilot's setup process
- Configure GitHub Copilot settings in Visual Studio Code
- Manage GitHub Copilot policies, features, and extensions for individuals
- Examine GitHub Copilot's code completion features
- Examine GitHub Copilot's AI assistance features
- Examine GitHub Copilot Chat view features
- Examine GitHub Copilot inline chat, smart actions, and quick chat

Module 2: Generate documentation using GitHub Copilot tools

- Review GitHub Copilot's "explain" and "document" features
- Examine GitHub Copilot prompts and keywords
- Analyze and explain code using GitHub Copilot
- Generate project documentation using GitHub Copilot
- Generate inline code documentation using GitHub Copilot

Module 3: Develop code features using GitHub Copilot tools

- Examine the code development features of GitHub Copilot
- Examine GitHub Copilot best practices
- Generate code using GitHub Copilot code completion suggestions
- Generate code using GitHub Copilot Chat
- Exercise - Develop new code features using GitHub Copilot 30 min

Module 4: Develop unit tests using GitHub Copilot tools

- Examine the unit testing tools and environment
- Create unit tests using the Generate Tests smart action
- Create unit tests using Inline Chat
- Create unit tests using Chat view modes
- Exercise - Develop unit tests using GitHub Copilot

Module 5: Implement code improvements using GitHub Copilot tools

- Review GitHub Copilot's code improvement features
- Examine GitHub Copilot's quick fix options
- Review code refactoring scenarios and GitHub Copilot best practices
- Refactor code using GitHub Copilot Inline Chat
- Refactor code using GitHub Copilot Chat modes
- Examine the GitHub Copilot code review features

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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