

KOENIG SOLUTIONS • COURSE OUTLINE

GH-300 Exam Prep

Learn to use GitHub Copilot responsibly, understand its data handling, and apply it to coding, testing and prompt engineering.

4 Hours

DURATION

7

MODULES

17

TOPICS

COURSE OVERVIEW

This course covers responsible use of AI before examining the range of GitHub Copilot plans and features, including Individual, Business, Chat, Enterprise and CLI usage. It then explains how GitHub Copilot works and handles data, along with its limitations, followed by the fundamentals of prompt crafting and prompt engineering. Later modules address developer use cases for improving productivity, generating tests with GitHub Copilot, and applying it to privacy, context exclusions, code quality and security.

WHO THIS COURSE IS FOR

Software Developers

DevOps Engineers

QA Engineers

Security Engineers

IT Administrators

LEARNING OBJECTIVES

- Explain responsible usage of AI
- Identify the different GitHub Copilot plans and features
- Describe how GitHub Copilot handles data and its limitations
- Describe the data pipeline lifecycle of Copilot code suggestions
- Explain the fundamentals of prompt crafting and prompt engineering
- Apply GitHub Copilot to improve developer productivity
- Describe options for generating tests with GitHub Copilot
- Apply GitHub Copilot for security and performance

7 Modules, 17 Topics

01

7%

Domain 1: Responsible AI

TOPICS

Explain responsible usage of AI

02

31%

Domain 2: GitHub Copilot Plans and Features

TOPICS

- Identify the different GitHub Copilot plans
- Identify the main features with GitHub Copilot Individual
- Identify the main features of GitHub Copilot Business
- Identify the main features with GitHub Copilot Chat
- Identify the main features with GitHub Copilot Enterprise
- Using GitHub Copilot in the CLI

03

15%

Domain 3: How GitHub Copilot Works and Handles Data

TOPICS

- Describe the data pipeline lifecycle of GitHub Copilot code suggestions in the IDE
- Describe how GitHub Copilot handles data
- Describe the limitations of GitHub Copilot (and LLMs in general)

04

9%

Domain 4: Prompt Crafting and Prompt Engineering

TOPICS

- Describe the fundamentals of prompt crafting
- Describe the fundamentals of prompt engineering

05

14%

Domain 5: Developer Use Cases for AI

TOPICS

Improve developer productivity

06

9%

Domain 6: Testing with GitHub Copilot

TOPICS

- Describe the options for generating testing for your code
- Describe the different SKUs for GitHub Copilot

07

15%

Domain 7: Privacy Fundamentals and Context Exclusions

TOPICS

- Enhance code quality through testing
- Leverage GitHub Copilot for security and performance

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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