

## **GH - 200T00-A : Automate your workflow with GitHub Actions**

### **Course Outline**

#### **1. Automate development tasks by using GitHub Actions**

- Introduction
- How does GitHub Actions automate development tasks?
- Identify the components of GitHub Actions
- Configure a GitHub Actions workflow
- Exercise – Create and run a basic GitHub Actions workflow
- Module assessment
- Summary

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#### **2. Build continuous integration workflows by using GitHub Actions**

- Introduction
- How do I use GitHub Actions to create workflows for CI?
- Manage and debug workflows in GitHub Actions
- Customize your workflow with environment variables
- Cache, share, and debug workflows
- Exercise – Create the CI workflow on GitHub
- Module assessment
- Summary

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#### **3. Build and deploy applications to Azure by using GitHub Actions**

- Introduction
- How do I use GitHub Actions to deploy to Azure?
- Remove artifacts, create status badges, and configure environment protections
- Exercise – Create a workflow that deploys a web app to Azure
- Module assessment
- Summary

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#### **4. Automate GitHub by using GitHub Script**

- Introduction
- What is GitHub Script?
- Exercise – Using GitHub Script in GitHub Actions
- Module assessment
- Summary

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