

## MCQ Test for Bob Johnson

**1. What is Selenium primarily used for?**

- a) API automation
- b) UI automation testing
- c) Performance testing
- d) Network monitoring

**2. In C#, which keyword is used to define a method that can be overridden in a derived class?**

- a) `override`
- b) `virtual`
- c) `abstract`
- d) `static`

**3. What is the primary purpose of TDD (Test-Driven Development)?**

- a) Writing tests after development
- b) Writing tests before writing the actual code
- c) Running tests manually
- d) Replacing CI/CD pipelines

**4. What does a GitHub Actions workflow primarily help with?**

- a) Automating CI/CD pipelines
- b) Managing cloud storage
- c) Performing load testing
- d) Writing unit tests

**5. Which of the following is a key feature of Terraform?**

- a) Automated UI testing
- b) Infrastructure as Code (IaC)
- c) Performance monitoring
- d) Security scanning

**6. What is a major advantage of NoSQL databases compared to SQL databases?**

- a) Stronger relational capabilities
- b) More flexible schema design
- c) Only supports structured data
- d) Slower data retrieval speeds

**7. In Azure DevOps, what is a "Pipeline"?**

- a) A container for storing test results
- b) A sequence of automated steps for building, testing, and deploying code
- c) A type of network firewall
- d) A tool for UI testing

**8. In Selenium WebDriver, which method is used to find an element by its ID?**

- a) `driver.findElement(By.Name())`
- b) `driver.findElement(By.CssSelector())`
- c) `driver.findElement(By.Id())`
- d) `driver.findElement(By.XPath())`

**9. Which security testing practice involves simulating a cyber attack?**

- a) Unit testing
- b) Penetration testing
- c) Functional testing
- d) Load testing

**10. Which of the following is an accessibility testing tool?**

- a) Lighthouse
- b) Jenkins
- c) Terraform
- d) Selenium Grid