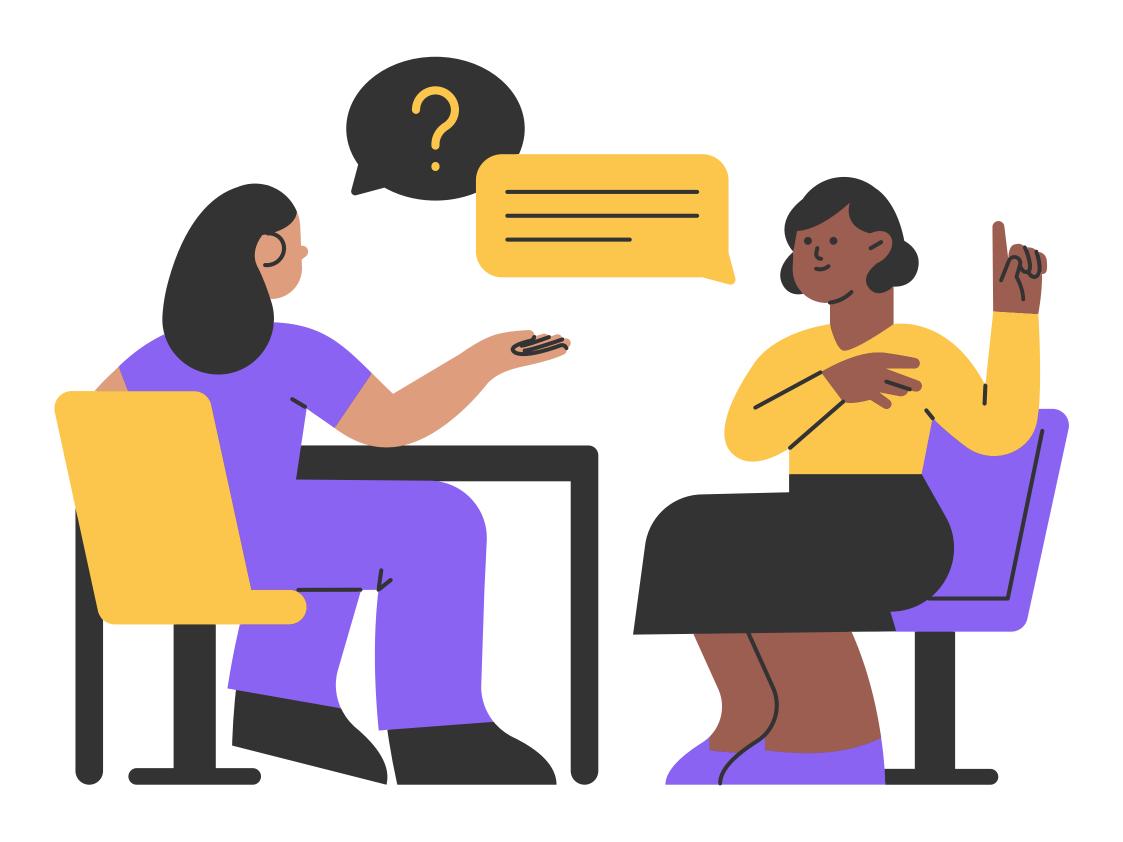# 20 Automation Testing (Core Java with Selenium) MCQ

1. What is Selenium?

- A) A programming language
- B) A testing framework
- C) A browser automation tool
- D) A database

C) A browser automation tool

2. What does Selenium WebDriver do?

- A) Tests a website's speed
- B) Automates interactions with a website's UI
- C) Manages server connections
- D) Designs a website's layout

B) Automates interactions with a website's UI

3. What is the primary purpose of Selenium Grid?

- A) Running tests sequentially
- B) Parallel execution of tests
- C) Managing test data
- D) Writing test cases

B) Parallel execution of tests

4. Which WebDriver method is used to navigate backward in a browser?

- A) navigate().back()
- B) goBack()
- C) browser.back()
- D) driver.previous()

A) navigate().back()

5. What is an advantage of using Selenium WebDriver over Selenium IDE?
- A) Can handle dynamic elements
- B) Supports multiple languages
- C) Can run on multiple browsers
- D) All of the above

D) All of the above

6. Which of these waits is NOT provided by Selenium WebDriver?
- A) Implicit Wait
- B) Explicit Wait
- C) Thread Wait
- D) Fluent Wait

C) Thread Wait

7. What type of testing is Selenium primarily used for?
- A) Load Testing
- B) Functional Testing
- C) Performance Testing
- D) Security Testing

B) Functional Testing

8. What is the WebDriver command to open a URL in a browser?
- A) open()
- B) get()
- C) launch()
- D) load()

B) get()

9. Which annotation in TestNG marks a method to be executed before any test method?
- A) @Test
- B) @BeforeTest
- C) @Method
- D) @BeforeSuite

B) @BeforeTest

10. Which of the following is NOT a Selenium component?
- A) Selenium IDE
- B) Selenium RC
- C) Selenium WebDriver
- D) Selenium GRID

D) Selenium RC

11. What is the default timeout for an implicit wait in WebDriver?
- A) 5 seconds
- B) 0 seconds
- C) 30 seconds
- D) 10 seconds

B) 0 seconds

12. Which method is used to switch to a frame by its index?
- A) switchTo().frame(index)
- B) switchToFrame(index)
- C) switch().frame(index)
- D) switchToFrameByIndex(index)

A) switchTo().frame(index)

13. What is Page Object Model (POM)?

- A) A design pattern for creating objects
- B) A framework for testing APIs
- C) A design pattern for organizing Selenium test code
- D) A method for generating test data

C) A design pattern for organizing Selenium test code

14. Which command is used to maximize a browser window in WebDriver?

- A) window().maximize()
- B) driver.maximize()
- C) manage().window().maximize()
- D) browser.maximizeWindow()

C) manage().window().maximize()

15. What is the purpose of the findElement method in Selenium?

- A) To locate a single web element
- B) To locate multiple web elements
- C) To perform actions on a web element
- D) To close the browser

A) To locate a single web element

16. Which WebDriver method is used to close all browser windows?

- A) close()
- B) quit()
- C) exit()
- D) shutdown()

B) quit()

17. What is the main difference between findElement and findElements?

- A) findElement locates one element, findElements locates multiple elements
- B) findElements is faster
- C) findElement is used for dynamic elements
- D) Both are identical

A) findElement locates one element, findElements locates multiple elements

18. What is the use of XPath in Selenium?

- A) Interact with APIs
- B) Locate elements on a webpage
- C) Automate mobile testing
- D) Manage test data

B) Locate elements on a webpage

19. Which of these is NOT a valid locator strategy in Selenium?

- A) By.id
- B) By.cssSelector
- C) By.classname
- D) By.image

D) By.image

20. What is the use of TestNG in Selenium?

- A) Writing HTML code
- B) Generating reports
- C) Managing test execution
- D) Both B and C

D) Both B and C

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