

MCQ without Keys on Java Full stack-1

Tech Stack: FE:HTML,CSS,JavaScript
BE: Core and Advance Java
FE Framework:Bootstrap
Build Tool: Maven
Repo:Git

Time:45 mins

Points:80

Instructions:

- 1.Share and record your complete screen during the assessment
- 2.Download the docx version of the document
- 3.Highlight the responses in yellow
- 4.Upload the responses in your respective folder
- 5.Update the scorecard sheet.

1. What is the difference between `==` and `.equals()` method in Java?
 - A) Both are used for reference comparison.
 - B) `==` is used for reference comparison, and `.equals()` is used for content comparison.
 - C) Both are used for content comparison.
 - ✓ D) `==` is used for content comparison, and `.equals()` is used for reference comparison.
2. What is the purpose of the `finally` block in Java?
 - A) To handle exceptions.
 - ✓ B) To ensure a piece of code is always executed, whether an exception is thrown or not.
 - C) To declare variables.
 - D) To create a loop.
3. What is the difference between `Serializable` and `Externalizable` interfaces in Java?
 - A) Both are used for serialization.
 - ✓ B) `Serializable` is used for serialization, and `Externalizable` provides finer control over the serialization process.
 - C) `Externalizable` is used for serialization, and `Serializable` provides finer control over the serialization process.
 - D) Neither `Serializable` nor `Externalizable` is used for serialization.
4. What is the purpose of the `static` keyword in Java?
 - A) To make a variable non-modifiable.
 - B) To make a variable belong to the class rather than the instance.
 - C) To make a method accessible only within the same package.
 - ✓ D) To create an instance of a class.

5. What is the lifecycle of a JSP page?

- A) Initialization, Service, Destruction.
- B) Loading, Execution, Unloading.
- ✓ C) Compilation, Execution, Cleanup.
- D) None of the above.

6. How can you maintain session information between servlets in Java?

- ✓ A) Using query parameters.
- B) Using cookies.
- C) Using session attributes.
- D) All of the above.

7. What does HTML stand for?

- ✓ A) Hyper Text Markup Language.
- B) High-level Text Markup Language.
- C) Hyperlink and Text Markup Language.
- D) Hyper Transfer Markup Language.

8. In CSS, how do you select all elements with the class "example"?

- A) `.example`
- ✓ B) `#example`
- C) `*example`
- D) `class.example`

9. What is the purpose of the `let` keyword in JavaScript?

- ✓ A) To declare a variable with block scope.
- B) To declare a variable with function scope.
- C) To declare a constant variable.
- D) To declare a global variable.

10. How do you add an event listener to a button with the id "myButton" in JavaScript?

- ✓ A) `document.getElementById("myButton").addEventListener("click", myFunction);`
- B) `myButton.onClick = myFunction;`
- C) `myButton.addEventListener("click", myFunction);`
- D) `button("myButton").click(myFunction);`

11. What is Apache Tomcat?

- ✓ A) An application server.
- B) A web server.
- C) A database server.
- D) A version control system.

12. How does Tomcat differ from Apache HTTP Server?

- ✓ A) Tomcat is a web server, and Apache HTTP Server is an application server.
- B) Tomcat is an application server, and Apache HTTP Server is a web server.
- C) Tomcat and Apache HTTP Server are the same.
- D) Neither Tomcat nor Apache HTTP Server is used for web development.

13. What is Maven used for in Java development?

- A) Version control.
- ✓ B) Project management and comprehension tool.
- C) Database management.
- D) Web development.

14. What is a Maven artifact?

- A) A plugin for Maven.
- ✓ B) A JAR, WAR, or EAR file produced by Maven.
- C) A Maven project.
- D) A Maven repository.

15. What is Git used for?

- ✓ A) Project management.
- B) Version control.
- C) Database management.
- D) Web development.

16. What is the command to clone a Git repository?

- A) ``git pull``
- B) ``git fetch``
- ✓ C) ``git clone``
- D) ``git copy``

17. How do you create a new branch in Git?

- ✓ A) ``git branch new-branch``
- B) ``git checkout -b new-branch``
- C) ``git new-branch``
- D) ``git create-branch new-branch``

18. What command is used to stage changes in Git?

- ✓ A) ``git add``
- B) ``git commit``
- C) ``git stage``
- D) ``git push``

19. How do you discard changes in your working directory in Git?

- ✓ A) ``git reset``

- B) `git discard`
- C) `git revert`
- D) `git cancel`

20. What is a Git repository?

- A) A collection of branches.
- B) A collection of commits.
- ✓ C) A collection of working directories.
- ✓ D) A collection of files.

21. What is the purpose of the `super` keyword in Java?*

- A) To reference the superclass object.
- ✓ B) To invoke the superclass method or constructor.
- C) To create a new instance of a class.
- D) To declare a variable.

22. What is polymorphism in Java?

- A) The ability of a class to have multiple constructors.
- ✓ B) The ability of a method to have multiple implementations.
- C) The ability of a class to have multiple variables.
- D) The ability of a method to have multiple return types.

23. What is the purpose of the `@Override` annotation in Java?

- ✓ A) It indicates that a method is overridden from the superclass.
- B) It forces the method to be overridden.
- C) It is used to override a variable.
- D) It is used to override a constructor.

24. What is a JavaBean?

- A) A type of coffee.
- ✓ B) A reusable software component.
- C) A type of loop in Java.
- D) A data type in Java.

25. How does a servlet communicate with a JSP page?

- A) By using the `print` method in the servlet.
- B) By using session attributes.
- ✓ C) By forwarding the request to the JSP page.
- D) By using AJAX calls.

26. What is the purpose of the `web.xml` file in a Java web application?

- A) To configure database connections.
- ✓ B) To configure servlet mappings and other web application settings.
- C) To define CSS styles.

- D) To declare JavaBeans.

27. What is the purpose of the `<!DOCTYPE html>` declaration in HTML?

- A) It declares the HTML version.
- ✓ B) It specifies the document type and version.
- C) It defines the document structure.
- D) It is not a valid HTML declaration.

28. How do you center an element horizontally in CSS?

- ✓ A) `text-align: center;`
- B) `margin: auto;`
- C) `align: center;`
- D) `center: true;`

29. What is a closure in JavaScript?

- A) A way to close a browser window.
- ✓ B) A function defined inside another function, with access to its variables.
- C) A method to close an HTML tag.
- D) A type of loop.

30. How do you declare a variable with block scope in JavaScript?

- A) `var`
- ✓ B) `let`
- C) `const`
- D) `block`

31. What is the default port number for Apache Tomcat?

- A) 80
- ✓ B) 8080
- C) 8000
- D) 8888

32. How does Tomcat handle multiple web applications?*

- ✓ A) Each web application has its own Tomcat instance.
- B) Tomcat uses virtual hosting to manage multiple web applications.
- C) Tomcat cannot handle multiple web applications.
- D) Multiple web applications are not supported in Tomcat.

33. What is the purpose of the `pom.xml` file in Maven?

- ✓ A) To configure database connections.
- B) To define project settings, dependencies, and build plugins.
- C) To declare CSS styles.
- D) To define servlet mappings.

34. What is the Maven Central Repository?

- A) A repository for Maven plugins.
- ✓ B) A repository for Maven artifacts.
- C) A repository for CSS styles.
- D) A repository for JavaBeans.

35. What is the purpose of the `.gitignore` file in a Git repository?

- A) To store Git configuration settings.
- ✓ B) To ignore specific files and directories from being tracked by Git.
- C) To define project dependencies.
- D) To specify commit messages.

36. How do you merge a branch into the current branch in Git?

- A) `git branch merge my-branch`
- ✓ B) `git merge my-branch`
- C) `git merge-branch my-branch`
- D) `git merge-into my-branch`

37. What is the purpose of the command `git pull`?

- A) To push changes to the remote repository.
- ✓ B) To fetch changes from the remote repository and merge them into the local branch.
- C) To create a new branch.
- D) To stage changes for commit.

38. How do you create a tag in Git?

- A) `git tag create my-tag`
- B) `git create-tag my-tag`
- ✓ C) `git tag my-tag`
- D) `git create my-tag`

39. What is the purpose of the command `git log`?

- A) To log into a Git repository.
- ✓ B) To view the commit history of a Git repository.
- C) To create a new log file.
- D) To delete the commit history.

40. How do you revert the last commit in Git?

- A) `git undo`
- ✓ B) `git revert HEAD`
- C) `git reset HEAD^`
- D) `git remove last`