

- 1. Who is known as the father of Java programming language?**
 - A) Dennis Ritchie
 - B) Bjarne Stroustrup
 - C) James Gosling
 - D) Guido van Rossum
- 2. In which year was Java officially released?**
 - A) 1991
 - B) 1995
 - C) 2000
 - D) 1985
- 3. Java was originally developed by which company?**
 - A) Microsoft
 - B) Google
 - C) Sun Microsystems
 - D) Oracle
- 4. What was the original name of Java before it was renamed?**
 - A) Coffee
 - B) Oak
 - C) Maple
 - D) Tree
- 5. What does the slogan "Write Once, Run Anywhere" refer to in Java?**
 - A) Code can run on only one machine
 - B) Code runs without internet
 - C) Code runs on any Java-supported platform
 - D) Code needs multiple installations
- 6. What file extension is used to save a Java source code file?**
 - A) .class
 - B) .exe
 - C) .java
 - D) .txt
- 7. Which command is used to compile a Java program?**
 - A) java
 - B) run
 - C) javac
 - D) compile
- 8. What command is used to run a compiled Java class?**
 - A) javac
 - B) java
 - C) run
 - D) execute
- 9. What file is created after successfully compiling a Java program?**
 - A) .txt file
 - B) .exe file
 - C) .java file
 - D) .class file

10. What does the `System.out.println()` statement do in Java?

- A) Takes input from the user
- B) Displays output on screen
- C) Opens a file
- D) Compiles the code

11. Which of the following is a valid way to name a Java class?

- A) myclass
- B) MyClass
- C) MY_CLASS
- D) myClass

12. How should variable names be written according to Java conventions?

- A) PascalCase
- B) camelCase
- C) ALL_CAPS
- D) snake_case

13. Which of these follows the naming convention for a method?

- A) StartCar
- B) start_car
- C) startCar
- D) STARTCAR

14. Which naming convention is used for constants in Java?

- A) PascalCase
- B) camelCase
- C) UPPER_CASE
- D) lowercase

15. What is the correct way to name an interface in Java?

- A) printable
- B) iPrintable
- C) Printable
- D) printable_interface

16. Java package names should be written in:

- A) Uppercase
- B) camelCase
- C) lowercase
- D) PascalCase

17. Which of these is the best name for a method that checks if the user is active?

- A) IsUserActive
- B) is_user_active
- C) isUserActive
- D) ISUSERACTIVE

18. What should method names usually begin with?

- A) Uppercase letter
- B) Verb in lowercase
- C) Constant
- D) Number

19. Which of these is not a recommended class name?

- A) EmployeeData
- B) AccountManager
- C) employee_data
- D) Customer

20. What should be avoided in Java variable names?

- A) Meaningful names
- B) camelCase
- C) Special characters like @, %, &
- D) Short names like `x`, `y` in loops

21. Which of the following is a valid Java identifier?

- A) 123name
- B) name_123
- C) name-123
- D) name@123

22. Which identifier is not allowed in Java?

- A) `_price`
- B) `$value`
- C) `final`
- D) `totalValue`

23. What is the minimum requirement for a valid Java identifier?

- A) Must start with a number
- B) Must have at least two characters
- C) Must start with a letter, underscore (`_`) or dollar sign (`$`)
- D) Can contain symbols like `@` or `#`

24. Which of these can be a valid identifier for a variable?

- A) `user-name`
- B) `user name`
- C) `username`
- D) `user@name`

25. Which identifier follows camelCase convention?

- A) `TotalAmount`
- B) `total_amount`
- C) `totalAmount`
- D) `TOTALAMOUNT`

26. What characters are allowed in Java identifiers (after the first character)?

- A) Letters, digits, `_`, `$`
- B) Only letters
- C) Letters and `@`
- D) Digits and `#`

27. Can Java identifiers have the same name but different casing (like `value` and `Value`)?

- A) Yes
- B) No
- C) Only in different classes
- D) Only in methods

28. Which of these is a poor naming choice for a variable?

- A) count
- B) a
- C) numberOfStudents
- D) studentMarks

29. What is the purpose of an identifier in Java?

- A) To run code
- B) To mark loops
- C) To name variables, classes, and methods
- D) To store output

30. Which of the following is true about identifiers in Java?

- A) You can use spaces
- B) You can start with digits
- C) You can use keywords
- D) You can use underscores