

Multiple Choice Quiz: Introduction to Java

1. What is Java known for?

- A) Hardware programming
- B) Platform independence
- C) Procedural programming
- D) Limited applications

2. Which Java principle allows code to run on any platform?

- A) Write Once, Run Anywhere
- B) Compile Once, Run Never
- C) Write Many, Run Once
- D) Platform-Specific Code

3. Which Java platform is used for desktop applications?

- A) Java EE
- B) Java ME
- C) Java SE
- D) JavaFX

4. What does the JVM do?

- A) Writes Java code
- B) Compiles code to machine language
- C) Executes bytecode on any platform
- D) Designs GUIs

5. What command compiles a Java source file?

- A) java
- B) javac
- C) run
- D) compile

6. What file is produced after compiling a Java program?

- A) .java
- B) .class
- C) .exe
- D) .jar

7. Which command runs a Java program?

- A) javac ClassName
- B) java ClassName
- C) run ClassName
- D) execute ClassName

8. What is the entry point of a Java program?

- A) public void start()

- B) public static void main(String[] args)
- C) public void run()
- D) static main()

9. What must match the file name in a Java source file?

- A) Method name
- B) Public class name
- C) Variable name
- D) Package name

10. Which statement imports a Java library?

- A) include
- B) import
- C) using
- D) require

11. What is used for single-line comments in Java?

- A) /*
- B) //
- C) #
- D) --

12. Which flow control structure checks a condition before looping?

- A) do-while
- B) while
- C) for
- D) switch

13. What is the output of this code? `int x = 5; if (x > 3) { System.out.println("Yes"); }`

- A) Yes
- B) No
- C) Error
- D) Nothing

14. Which loop runs a fixed number of times?

- A) while
- B) do-while
- C) for
- D) switch

15. What keyword ends a switch case in Java?

- A) end
- B) break
- C) stop
- D) exit

16. Which platform is used for large-scale web applications?

- A) Java SE

- B) Java ME
- C) Java EE
- D) JavaFX

17. What does the `System.out.println` method do?

- A) Reads input
- B) Displays output
- C) Compiles code
- D) Closes the program

18. What is a common error during Java compilation?

- A) Missing semicolon
- B) Wrong JVM version
- C) Incorrect file extension
- D) Missing import

19. Which loop executes at least once?

- A) for
- B) while
- C) do-while
- D) switch

20. What is the purpose of the `import` statement?

- A) Defines a class
- B) Includes external libraries
- C) Runs the program
- D) Declares variables

21. What is the output of this code? `for (int i = 1; i <= 2; i++) { System.out.println(i); }`

- A) 1 2
- B) 0 1
- C) 1
- D) 2

22. Which Java feature ensures automatic memory management?

- A) JVM
- B) Garbage Collection
- C) Bytecode
- D) Compiler