

Java Beginner Exam – Multiple-Choice Questions

These questions cover variables, data types, operators, loops, arrays, strings, methods, and basic OOP concepts.

1. **What is the correct syntax to declare a variable in Java?**
 - a) `int x = 5;`
 - b) `x = 5;`
 - c) `variable x = 5;`
 - d) `int x = "5";`
2. **Which keyword is used to create an object in Java?**
 - a) `new`
 - b) `create`
 - c) `object`
 - d) `instance`
3. **What is the output of `System.out.println(5 + "5");`?**
 - a) 10
 - b) 55
 - c) "55"
 - d) Compilation error
4. **Which loop is guaranteed to execute at least once?**
 - a) `for`
 - b) `while`
 - c) `do-while`
 - d) `if-else`
5. **What is the correct way to define a method that returns an integer?**
 - a) `void myMethod() { return 5; }`
 - b) `int myMethod() { return 5; }`
 - c) `method int myMethod() { return 5; }`
 - d) `return int myMethod() { 5; }`
6. **Which data type is used to store a single character in Java?**
 - a) `String`
 - b) `char`
 - c) `Character`
 - d) `letter`

7. **What is the default value of an uninitialized int variable in Java?**
- a) 0
 - b) null
 - c) 1
 - d) Garbage value
8. **Which keyword is used to prevent a class from being inherited? (*)**
- a) private
 - b) static
 - c) final
 - d) abstract
9. **What is the correct way to compare two strings in Java?**
- a) `str1 == str2`
 - b) `str1.equals(str2)`
 - c) `str1 = str2`
 - d) `str1.compare(str2)`
10. **Which of the following is NOT a valid Java comment?**
- a) `// Single-line comment`
 - b) `/* Multi-line comment */`
 - c) `<!-- HTML comment -->`
 - d) `/** Documentation comment */`
11. **Which of the following is a valid Java identifier?**
- a) 2variable
 - b) `_myVar`
 - c) `my-var`
 - d) `class`
12. **What is the output of `System.out.println(10 / 3);`?**
- a) 3
 - b) 3.333
 - c) 3.0
 - d) Compilation error
13. **Which keyword is used to skip the current iteration of a loop?**
- a) `break`
 - b) `continue`
 - c) `skip`
 - d) `return`

14. What is the correct way to initialize an array in Java?

- a) `int[] arr = new int[5];`
- b) `int arr[] = new int[];`
- c) `int arr = new int[5];`
- d) `array arr = new array(5);`

15. Which method is called when an object is created?

- a) `main()`
- b) `constructor()`
- c) `new()`
- d) `class()`

16. What does `System.out.println("Java".length());` print?

- a) 4
- b) J
- c) Java
- d) Compilation error

17. Which of the following is NOT a primitive data type in Java?

- a) `int`
- b) `float`
- c) `String`
- d) `boolean`

18. What is the output of `System.out.println(5 > 3 && 4 < 2);`?

- a) `true`
- b) `false`
- c) Compilation error
- d) Runtime error

19. Which keyword makes a variable constant (unchangeable)? (*)

- a) `static`
- b) `final`
- c) `const`
- d) `fixed`

20. What is the correct way to import the Scanner class?

- a) `import java.util.Scanner;`
- b) `import Scanner;`
- c) `include java.util.Scanner;`
- d) `require java.util.Scanner;`

21. What is the output of `System.out.println(7 % 3);`?
- a) 2
 - b) 1
 - c) 0
 - d) 2.333
22. Which loop is best when the number of iterations is unknown?
- a) for (by index)
 - b) while
 - c) do-while
 - d) for (by element)
23. What is the default value of a boolean variable in Java?
- a) true
 - b) false
 - c) 0
 - d) null
24. Which of the following is a valid method signature for the main method?
- a) `public static void main(String args)`
 - b) `public void main(String[] args)`
 - c) `public static void main(String[] args)`
 - d) `static void main(String[] args)`
25. What is the output of `System.out.println("Hello".charAt(1));`?
- a) H
 - b) e
 - c) l
 - d) Compilation error
26. Which keyword is used to refer to the current object in Java?
- a) this
 - b) super
 - c) self
 - d) current
27. What is the correct way to compare two strings ignoring case?
- a) `str1 == str2`
 - b) `str1.equalsIgnoreCase(str2)`
 - c) `str1 = str2.toLowerCase()`
 - d) `str1.compareTo(str2)`

28. What is the output of `System.out.println(5 + 2 * 3);`?

- a) 21
- b) 11
- c) 17
- d) Compilation error

29. Which of the following is NOT a valid Java comment?

- a) `/* This is a comment */`
- b) `// This is a comment`
- c) `<!-- This is a comment -->`
- d) `/** This is a comment */`

30. What is the correct way to declare and initialize a String?

- a) `String s = new String("Hello");`
- b) `String s = "Hello";`
- c) `String s = Hello;`
- d) Both a and b

31. Which method is used to read an integer input from the user?

- a) `Scanner.next()`
- b) `Scanner.nextInt()`
- c) `Scanner.readInt()`
- d) `Scanner.getInt()`

32. What is the output of `System.out.println(Math.abs(-5));`?

- a) -5
- b) 5
- c) 0
- d) Error

33. Which keyword is used to handle exceptions in Java? (*)

- a) catch
- b) throw
- c) try
- d) All of the above

34. What is the correct way to check if x is between 5 and 10?

- a) `if (5 < x < 10)`
- b) `if (x > 5 && x < 10)`
- c) `if (x > 5 || x < 10)`
- d) `if (5 <= x <= 10)`

35. What is the output of `System.out.println("Java".substring(1, 3));`?

- a) Jav
- b) ava
- c) av
- d) Ja

36. Which of the following is NOT a valid Java loop?

- a) for
- b) while
- c) do-while
- d) repeat-until

37. What is the output of `System.out.println(10 == 10.0);`?

- a) true
- b) false
- c) Compilation error
- d) Runtime error

38. Which keyword is used to exit a method early?

- a) break
- b) continue
- c) return
- d) exit

39. What is the correct way to create an ArrayList in Java? (*)

- a) `ArrayList<int> list = new ArrayList<>();`
- b) `ArrayList<Integer> list = new ArrayList<>();`
- c) `List list = new ArrayList();`
- d) `Array list = new Array();`

40. What is the output of `System.out.println("Hello" + 123);`?

- a) Hello123
- b) 246
- c) Compilation error
- d) Hello + 123