

CORE JAVA MCQ TEST

1. What is the output of the following Java code snippet?
`System.out.println(10 > 9 && 9 < 10);`
(A) true
(B) false
(C) 1
(D) Compilation Error
2. Which of the following is a valid identifier in Java?
(A) 1variable
(B) variable1
(C) var-i-able
(D) variable\$
3. What is the default value of an instance variable of type int in Java if not explicitly initialized?
(A) 0
(B) null
(C) false
(D) Depends on the data type
4. What is the output of the following Java code snippet?
`int x = 5;`
`System.out.println(x++);`
(A) 5
(B) 6
(C) Compilation Error
(D) Runtime Error
5. Which method is used to read data from the console in Java?
(A) read()
(B) readline()
(C) readLine()
(D) input()
6. Which of the following is not a valid Java keyword?
(A) class
(B) function
(C) interface
(D) enum
7. What is the output of the following Java code snippet?
`String s1 = "Hello";`
`String s2 = "Hello";`
`System.out.println(s1 == s2);`
(A) true
(B) false
(C) Compilation Error
(D) Runtime Error

8. Which of the following operators is used to allocate memory to an object in Java?

- (A) new
- (B) malloc
- (C) alloc
- (D) create

9. Which of the following is not a valid modifier in Java?

- (A) private
- (B) final
- (C) abstract
- (D) static

10. What is the superclass of all classes in Java?

- (A) Object
- (B) Class
- (C) Base
- (D) Main

11. What is the purpose of the 'static' keyword in Java?

- (A) To create objects of a class
- (B) To access instance variables and methods
- (C) To make a method accessible globally
- (D) To initialize instance variables

12. Which of the following is a runtime exception in Java?

- (A) IOException
- (B) ClassNotFoundException
- (C) NullPointerException
- (D) FileNotFoundException

13. What is the output of the following Java code snippet?

```
int[] arr = {1, 2, 3};  
System.out.println(arr.length);
```

- (A) 0
- (B) 3
- (C) Compilation Error
- (D) Runtime Error

14. Which method is called when an object is created in Java?

- (A) start()
- (B) main()
- (C) constructor()
- (D) initialize()

15. What is the purpose of the 'this' keyword in Java?

- (A) To refer to the current class instance
- (B) To create a new instance of a class
- (C) To call a superclass method
- (D) To access static variables

16. What is the output of the following Java code snippet?

```
int x = 5;
int y = x > 5 ? 10 : 20;
System.out.println(y);
```

- (A) 10
- (B) 20
- (C) 5
- (D) Compilation Error

17. What is the purpose of the 'super' keyword in Java?

- (A) To refer to the current class instance
- (B) To create a new instance of a class
- (C) To call a superclass constructor or method
- (D) To access static variables

18. Which of the following is true about constructors in Java?

- (A) They have a return type
- (B) They can be inherited
- (C) They can be overloaded
- (D) They can be declared final

19. What is the output of the following Java code snippet?

```
int x = 10;
System.out.println(x++);
```

- (A) 10
- (B) 11
- (C) Compilation Error
- (D) Runtime Error

20. Which of the following is a method of the Object class in Java?

- (A) toString()
- (B) equals()
- (C) hashCode()
- (D) All of the above

21. What is the output of the following Java code snippet?

```
String s = "Hello";
s.concat(" World");
System.out.println(s);
```

- (A) Hello
- (B) World
- (C) Hello World
- (D) Compilation Error

22. Which of the following is not a valid access modifier in Java?

- (A) private
- (B) protected
- (C) internal
- (D) public

23. What is the output of the following Java code snippet?

```
int x = 5;
int y = 10;
```

```
System.out.println(x > y);
```

- (A) true
- (B) false
- (C) Compilation Error
- (D) Runtime Error

24. Which of the following is a wrapper class in Java?

- (A) String
- (B) int
- (C) float
- (D) Integer

25. What is the output of the following Java code snippet?

```
String s = null;  
System.out.println(s.length());
```

- (A) 0
- (B) null
- (C) Compilation Error
- (D) Runtime Error