**CORE JAVA MCQ TEST**

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

System.out.println(10 > 9 && 9 < 10);

1. true
2. false
3. 1
4. Compilation Error
5. Which of the following is a valid identifier in Java?
6. 1variable
7. variable1
8. var-iable
9. variable$
10. What is the default value of an instance variable of type int in Java if not explicitly initialized?
11. 0
12. null
13. false
14. Depends on the data type
15. What is the output of the following Java code snippet?

int x = 5;

System.out.println(x++);

1. 5
2. 6
3. Compilation Error
4. Runtime Error
5. Which method is used to read data from the console in Java?
6. read()
7. readline()
8. readLine()
9. input()
10. Which of the following is not a valid Java keyword?
11. class
12. function
13. interface
14. enum
15. What is the output of the following Java code snippet?

String s1 = "Hello";

String s2 = "Hello";

System.out.println(s1 == s2);

1. true
2. false
3. Compilation Error
4. Runtime Error
5. Which of the following operators is used to allocate memory to an object in Java?
6. new
7. malloc
8. alloc
9. create
10. Which of the following is not a valid modifier in Java?
11. private
12. final
13. abstract
14. static
15. What is the superclass of all classes in Java?
16. Object
17. Class
18. Base
19. Main
20. What is the purpose of the 'static' keyword in Java?
21. To create objects of a class
22. To access instance variables and methods
23. To make a method accessible globally
24. To initialize instance variables
25. Which of the following is a runtime exception in Java?
26. IOException
27. ClassNotFoundException
28. NullPointerException
29. FileNotFoundException
30. What is the output of the following Java code snippet?

int[] arr = {1, 2, 3};

System.out.println(arr.length);

1. 0
2. 3
3. Compilation Error
4. Runtime Error
5. Which method is called when an object is created in Java?
6. start()
7. main()
8. constructor()
9. initialize()
10. What is the purpose of the 'this' keyword in Java?
11. To refer to the current class instance
12. To create a new instance of a class
13. To call a superclass method
14. To access static variables
15. What is the output of the following Java code snippet?

int x = 5;

int y = x > 5 ? 10 : 20;

System.out.println(y);

1. 10
2. 20
3. 5
4. Compilation Error
5. What is the purpose of the 'super' keyword in Java?
6. To refer to the current class instance
7. To create a new instance of a class
8. To call a superclass constructor or method
9. To access static variables
10. Which of the following is true about constructors in Java?
11. They have a return type
12. They can be inherited
13. They can be overloaded
14. They can be declared final
15. What is the output of the following Java code snippet?

int x = 10;

System.out.println(x++);

1. 10
2. 11
3. Compilation Error
4. Runtime Error
5. Which of the following is a method of the Object class in Java?
6. toString()
7. equals()
8. hashCode()
9. All of the above
10. What is the output of the following Java code snippet?

String s = "Hello";

s.concat(" World");

System.out.println(s);

1. Hello
2. World
3. Hello World
4. Compilation Error
5. Which of the following is not a valid access modifier in Java?
6. private
7. protected
8. internal
9. public
10. What is the output of the following Java code snippet?

int x = 5;

int y = 10;

System.out.println(x > y);

1. true
2. false
3. Compilation Error
4. Runtime Error
5. Which of the following is a wrapper class in Java?
6. String
7. int
8. float
9. Integer
10. What is the output of the following Java code snippet?

String s = null;

System.out.println(s.length());

1. 0
2. null
3. Compilation Error
4. Runtime Error