

# JAVA – 100 HARD CODE-BASED MCQs

## (WITH ANSWERS AT END)

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### ◆ TOPIC 1: JVM, Memory, Data Types, Operators (Q1–Q15)

---

#### Q1

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(10 + 20 * 30);  
    }  
}
```

- A) 900
  - B) 600
  - C) 610
  - D) 700
- 

#### Q2

```
class Test {  
    public static void main(String[] args) {  
        System.out.println('A' + 1);  
    }  
}
```

- A) A1
  - B) 66
  - C) Compilation error
  - D) Runtime error
- 

#### Q3

```
class Test {  
    public static void main(String[] args) {  
        byte b = 10;  
        b = b + 1;  
        System.out.println(b);  
    }  
}
```

- A) 11
  - B) 10
  - C) Compilation error
  - D) Runtime error
- 

#### Q4

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(10 == 10.0);  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

#### Q5

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(null == null);  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

#### Q6

```
class Test {  
    public static void main(String[] args) {  
        int x = 5;  
        System.out.println(x++ + ++x);  
    }  
}
```

- A) 11
  - B) 12
  - C) 13
  - D) 14
-

### Q7

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(0.1 + 0.2 == 0.3);  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q8

```
class Test {  
    static int x;  
    public static void main(String[] args) {  
        System.out.println(x);  
    }  
}
```

- A) Garbage value
  - B) 0
  - C) Compilation error
  - D) Runtime error
- 

### Q9

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Math.min(Double.MIN_VALUE, 0.0d));  
    }  
}
```

- A) Double.MIN\_VALUE
  - B) 0.0
  - C) Compilation error
  - D) Runtime error
- 

### Q10

```
class Test {  
    public static void main(String[] args) {  
        int x = 10;  
        x += 5;  
        System.out.println(x);  
    }  
}
```

```
    }  
}
```

- A) 10
  - B) 15
  - C) Compilation error
  - D) Runtime error
- 

### Q11

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(5 / 2);  
    }  
}
```

- A) 2
  - B) 2.5
  - C) Compilation error
  - D) Runtime error
- 

### Q12

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(5 / 2.0);  
    }  
}
```

- A) 2
  - B) 2.5
  - C) Compilation error
  - D) Runtime error
- 

### Q13

```
class Test {  
    public static void main(String[] args) {  
        int x = 10;  
        System.out.println(x == 10 ? "Yes" : "No");  
    }  
}
```

- A) true
- B) false
- C) Yes
- D) No

---

## Q14

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(10 << 2);  
    }  
}
```

- A) 20
  - B) 40
  - C) 80
  - D) 5
- 

## Q15

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(-10 >>> 2);  
    }  
}
```

- A) -2
  - B) -3
  - C) Large positive number
  - D) Compilation error
- 

## ANSWERS (Q1–Q15)

1. C
2. B
3. C
4. A
5. A
6. C
7. B
8. B
9. B
10. B
11. A
12. B
13. C
14. B
15. C

## TOPIC 2: Strings, StringBuilder, Wrapper Classes (Q16–Q30)

---

### Q16

```
class Test {  
    public static void main(String[] args) {  
        String s = "Java";  
        s.concat("World");  
        System.out.println(s);  
    }  
}
```

- A) JavaWorld
  - B) Java
  - C) Compilation error
  - D) Runtime error
- 

### Q17

```
class Test {  
    public static void main(String[] args) {  
        String s1 = "Java";  
        String s2 = "Java";  
        System.out.println(s1 == s2);  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q18

```
class Test {  
    public static void main(String[] args) {  
        String s1 = new String("Java");  
        String s2 = new String("Java");  
        System.out.println(s1 == s2);  
    }  
}
```

- A) true
- B) false

- C) Compilation error
  - D) Runtime error
- 

### Q19

```
class Test {  
    public static void main(String[] args) {  
        String s = "Java";  
        s = s.concat(" SE");  
        System.out.println(s);  
    }  
}
```

- A) Java
  - B) JavaSE
  - C) Java SE
  - D) Compilation error
- 

### Q20

```
class Test {  
    public static void main(String[] args) {  
        StringBuilder sb = new StringBuilder("Java");  
        sb.append("World");  
        System.out.println(sb);  
    }  
}
```

- A) Java
  - B) World
  - C) JavaWorld
  - D) Compilation error
- 

### Q21

```
class Test {  
    public static void main(String[] args) {  
        StringBuilder sb = new StringBuilder("Java");  
        System.out.println(sb.reverse());  
    }  
}
```

- A) Java
- B) avaJ
- C) Compilation error
- D) Runtime error

---

## Q22

```
class Test {  
    public static void main(String[] args) {  
        String s = null;  
        System.out.println(s + "Java");  
    }  
}
```

- A) Java
  - B) nullJava
  - C) NullPointerException
  - D) Compilation error
- 

## Q23

```
class Test {  
    public static void main(String[] args) {  
        Integer i1 = 127;  
        Integer i2 = 127;  
        System.out.println(i1 == i2);  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

## Q24

```
class Test {  
    public static void main(String[] args) {  
        Integer i1 = 128;  
        Integer i2 = 128;  
        System.out.println(i1 == i2);  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

## Q25



```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Integer.parseInt("10") + 20);  
    }  
}
```

- A) 30
  - B) 1020
  - C) Compilation error
  - D) Runtime error
- 

## Q26

```
class Test {  
    public static void main(String[] args) {  
        String s = "Java";  
        System.out.println(s.substring(1, 3));  
    }  
}
```

- A) Ja
  - B) av
  - C) va
  - D) ava
- 

## Q27

```
class Test {  
    public static void main(String[] args) {  
        String s = "Java";  
        System.out.println(s.charAt(4));  
    }  
}
```

- A) a
  - B) Exception
  - C) Compilation error
  - D) Runtime error
- 

## Q28

```
class Test {  
    public static void main(String[] args) {  
        System.out.println("Java".equals(new String("Java")));  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

## Q29

```
class Test {  
    public static void main(String[] args) {  
        StringBuilder sb = new StringBuilder();  
        System.out.println(sb.capacity());  
    }  
}
```

- A) 0
  - B) 10
  - C) 16
  - D) 32
- 

## Q30

```
class Test {  
    public static void main(String[] args) {  
        String s = "Java";  
        s.toUpperCase();  
        System.out.println(s);  
    }  
}
```

- A) JAVA
  - B) Java
  - C) Compilation error
  - D) Runtime error
- 

## ANSWERS (Q16–Q30)

- 16. B
- 17. A
- 18. B
- 19. C
- 20. C
- 21. B
- 22. B
- 23. A
- 24. B

- 25. A
- 26. B
- 27. D
- 28. A
- 29. C
- 30. B

## TOPIC 3: OOP, Inheritance, Polymorphism, `super`, `this` (Q31–Q50)

---

### Q31

```
class A {
    A() {
        System.out.print("A");
    }
}
class B extends A {
    B() {
        System.out.print("B");
    }
}
public class Test {
    public static void main(String[] args) {
        new B();
    }
}
```

- A) A
  - B) B
  - C) AB
  - D) BA
- 

### Q32

```
class A {
    void m1() {
        System.out.println("A");
    }
}
class B extends A {
    void m1() {
        System.out.println("B");
    }
}
public class Test {
    public static void main(String[] args) {
        A obj = new B();
        obj.m1();
    }
}
```

}

- A) A
  - B) B
  - C) Compilation error
  - D) Runtime error
- 

### Q33

```
class A {
    static void m1() {
        System.out.println("A");
    }
}
class B extends A {
    static void m1() {
        System.out.println("B");
    }
}
public class Test {
    public static void main(String[] args) {
        A obj = new B();
        obj.m1();
    }
}
```

- A) A
  - B) B
  - C) Compilation error
  - D) Runtime error
- 

### Q34

```
class A {
    final void m1() {
        System.out.println("A");
    }
}
class B extends A {
    void m1() {
        System.out.println("B");
    }
}
```

- A) Compiles successfully
  - B) Compilation error
  - C) Runtime error
  - D) No output
-

### Q35

```
class A {  
    A() {  
        this(10);  
        System.out.print("A");  
    }  
    A(int x) {  
        System.out.print(x);  
    }  
}  
public class Test {  
    public static void main(String[] args) {  
        new A();  
    }  
}
```

- A) A10
  - B) 10A
  - C) Compilation error
  - D) Runtime error
- 

### Q36

```
class A {  
    int x = 10;  
}  
class B extends A {  
    int x = 20;  
    void print() {  
        System.out.println(super.x);  
    }  
}  
public class Test {  
    public static void main(String[] args) {  
        new B().print();  
    }  
}
```

- A) 10
  - B) 20
  - C) Compilation error
  - D) Runtime error
- 

### Q37

```
class A {  
    private void m1() {  
        System.out.println("A");  
    }  
}  
class B extends A {
```

```

        void m1() {
            System.out.println("B");
        }
    }
    public class Test {
        public static void main(String[] args) {
            A obj = new B();
            obj.m1();
        }
    }
}

```

- A) A
  - B) B
  - C) Compilation error
  - D) Runtime error
- 

### Q38

```

class A {
    int x = 10;
}
class B extends A {
    int x = 20;
}
public class Test {
    public static void main(String[] args) {
        A obj = new B();
        System.out.println(obj.x);
    }
}

```

- A) 10
  - B) 20
  - C) Compilation error
  - D) Runtime error
- 

### Q39

```

abstract class A {
    abstract void m1();
}
class B extends A {
    void m1() {
        System.out.println("B");
    }
}
public class Test {
    public static void main(String[] args) {
        A obj = new B();
        obj.m1();
    }
}

```

- A) A
  - B) B
  - C) Compilation error
  - D) Runtime error
- 

#### Q40

```
interface A {  
    void m1();  
}  
class B implements A {  
    public void m1() {  
        System.out.println("B");  
    }  
}  
public class Test {  
    public static void main(String[] args) {  
        A obj = new B();  
        obj.m1();  
    }  
}
```

- A) A
  - B) B
  - C) Compilation error
  - D) Runtime error
- 

#### Q41

```
class A {  
    static {  
        System.out.print("A");  
    }  
}  
class B extends A {  
    static {  
        System.out.print("B");  
    }  
}  
public class Test {  
    public static void main(String[] args) {  
        new B();  
    }  
}
```

- A) A
  - B) B
  - C) AB
  - D) BA
-

### Q42

```
class A {
    int x = 10;
}
class B extends A {
    B() {
        System.out.println(x);
    }
}
public class Test {
    public static void main(String[] args) {
        new B();
    }
}
```

- A) 0
  - B) 10
  - C) Compilation error
  - D) Runtime error
- 

### Q43

```
class A {
    A() {
        System.out.print("A");
    }
}
class B extends A {
    B() {
        super();
        System.out.print("B");
    }
}
public class Test {
    public static void main(String[] args) {
        new B();
    }
}
```

- A) A
  - B) B
  - C) AB
  - D) BA
- 

### Q44

```
class A {
    static int x = 10;
}
class B extends A {
    static int x = 20;
```



```
}  
public class Test {  
    public static void main(String[] args) {  
        A obj = new B();  
        System.out.println(obj.x);  
    }  
}
```

- A) 10
  - B) 20
  - C) Compilation error
  - D) Runtime error
- 

### Q45

```
class A {  
    A() {  
        System.out.println("A");  
    }  
}  
class B extends A {  
    B() {  
        System.out.println("B");  
    }  
}  
class C extends B {  
    C() {  
        System.out.println("C");  
    }  
}  
public class Test {  
    public static void main(String[] args) {  
        new C();  
    }  
}
```

- A) C
  - B) BC
  - C) ABC
  - D) CBA
- 

### Q46

```
class A {  
    void m1() {  
        System.out.println("A");  
    }  
}  
class B extends A {  
    void m1() {  
        System.out.println("B");  
    }  
}
```

```

        void call() {
            super.m1();
        }
    }
    public class Test {
        public static void main(String[] args) {
            new B().call();
        }
    }

```

- A) A
  - B) B
  - C) AB
  - D) BA
- 

### Q47

```

class A {
    static void m1() {
        System.out.println("A");
    }
}
class B extends A {
    void m1() {
        System.out.println("B");
    }
}

```

- A) Compiles successfully
  - B) Compilation error
  - C) Runtime error
  - D) No output
- 

### Q48

```

class A {
    protected void m1() {}
}
class B extends A {
    void m1() {}
}

```

- A) Compiles successfully
  - B) Compilation error
  - C) Runtime error
  - D) No output
- 

### Q49

```
class A {  
    public static void main(String[] args) {  
        System.out.println("A");  
    }  
}  
class B extends A {}
```

Running `java B` gives:

- A) A
  - B) Compilation error
  - C) Runtime error
  - D) No output
- 

## Q50

```
class Test {  
    Test() {  
        System.out.println("Default");  
    }  
    Test(int x) {  
        this();  
        System.out.println(x);  
    }  
    public static void main(String[] args) {  
        new Test(5);  
    }  
}
```

- A) 5
  - B) Default
  - C) Default 5
  - D) Compilation error
- 

## ANSWERS (Q31–Q50)

- 31. C
- 32. B
- 33. A
- 34. B
- 35. B
- 36. A
- 37. C
- 38. A
- 39. B
- 40. B
- 41. C
- 42. B
- 43. C

- 44. A
- 45. C
- 46. A
- 47. B
- 48. B
- 49. A
- 50. C

## ◆ TOPIC 4: Exception Handling & Multithreading (Q51–Q70)

---

### Q51

```
class Test {  
    public static void main(String[] args) {  
        try {  
            System.out.println(10 / 0);  
        } catch (ArithmeticException e) {  
            System.out.println("AE");  
        } finally {  
            System.out.println("Finally");  
        }  
    }  
}
```

- A) AE
  - B) Finally
  - C) AE Finally
  - D) Compilation error
- 

### Q52

```
class Test {  
    static void m1() throws Exception {  
        throw new Exception();  
    }  
    public static void main(String[] args) {  
        try {  
            m1();  
        } catch (RuntimeException e) {  
            System.out.println("RE");  
        } catch (Exception e) {  
            System.out.println("E");  
        }  
    }  
}
```

- A) RE
- B) E

- C) Compilation error
  - D) Runtime error
- 

### Q53

```
class Test {  
    public static void main(String[] args) {  
        try {  
            return;  
        } finally {  
            System.out.println("Finally");  
        }  
    }  
}
```

- A) No output
  - B) Finally
  - C) Compilation error
  - D) Runtime error
- 

### Q54

```
class Test {  
    public static void main(String[] args) {  
        try {  
            System.out.println("Try");  
            System.exit(0);  
        } finally {  
            System.out.println("Finally");  
        }  
    }  
}
```

- A) Try
  - B) Finally
  - C) Try Finally
  - D) No output
- 

### Q55

```
class Test {  
    public static void main(String[] args) {  
        try {  
            System.out.println("Try");  
        }  
    }  
}
```

- A) Try
  - B) Compilation error
  - C) Runtime error
  - D) No output
- 

### Q56

```
class Test extends Thread {  
    public void run() {  
        System.out.println("Run");  
    }  
    public static void main(String[] args) {  
        Test t = new Test();  
        t.start();  
        t.start();  
    }  
}
```

- A) Run Run
  - B) Run
  - C) Runtime exception
  - D) Compilation error
- 

### Q57

```
class Test implements Runnable {  
    public void run() {  
        System.out.println("Run");  
    }  
    public static void main(String[] args) {  
        Thread t = new Thread(new Test());  
        t.run();  
    }  
}
```

- A) Run in new thread
  - B) Run in main thread
  - C) No output
  - D) Compilation error
- 

### Q58

```
class Test {  
    public static void main(String[] args) {  
        Thread t = new Thread();  
        t.start();  
        System.out.println(t.getState());  
    }  
}
```

}

- A) NEW
  - B) RUNNABLE
  - C) TERMINATED
  - D) BLOCKED
- 

### Q59

```
class Test extends Thread {  
    public void run() {  
        System.out.println(Thread.currentThread().getName());  
    }  
    public static void main(String[] args) {  
        new Test().start();  
    }  
}
```

- A) main
  - B) Thread-0
  - C) Thread-1
  - D) Compilation error
- 

### Q60

```
class Test {  
    public static void main(String[] args) {  
        Thread t = new Thread(() -> System.out.println("Run"));  
        t.start();  
    }  
}
```

- A) Run
  - B) Compilation error
  - C) Runtime error
  - D) No output
- 

### Q61

```
class Test {  
    public static synchronized void m1() {  
        System.out.println("Static");  
    }  
    public synchronized void m2() {  
        System.out.println("Instance");  
    }  
}
```

Which lock is used by `m1()` ?

- A) Object lock
  - B) Class-level lock
  - C) No lock
  - D) Both
- 

## Q62

```
class Test extends Thread {
    public void run() {
        System.out.println("Run");
    }
}
public class Demo {
    public static void main(String[] args) {
        Test t = new Test();
        t.run();
    }
}
```

- A) New thread
  - B) Main thread
  - C) No output
  - D) Compilation error
- 

## Q63

```
class Test {
    public static void main(String[] args) throws Exception {
        Thread.sleep(1000);
        System.out.println("Awake");
    }
}
```

- A) Awake immediately
  - B) Awake after 1 sec
  - C) Compilation error
  - D) Runtime error
- 

## Q64

```
class Test {
    public static void main(String[] args) {
        System.out.println(Thread.currentThread().getPriority());
    }
}
```



Default priority?

- A) 1
  - B) 5
  - C) 10
  - D) OS dependent
- 

## Q65

```
class Test {  
    public static void main(String[] args) {  
        Thread t = new Thread();  
        System.out.println(t.isAlive());  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

## Q66

```
class Test {  
    public static void main(String[] args) {  
        Thread t = new Thread();  
        t.setDaemon(true);  
        t.start();  
        System.out.println(t.isDaemon());  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

## Q67

```
class Test {  
    public static void main(String[] args) {  
        synchronized(Test.class) {  
            System.out.println("Lock");  
        }  
    }  
}
```

- A) Object lock
  - B) Class lock
  - C) No lock
  - D) Runtime error
- 

### Q68

```
class Test {  
    public static void main(String[] args) {  
        Thread t = new Thread();  
        t.start();  
        t.join();  
        System.out.println("End");  
    }  
}
```

- A) Compilation error
  - B) Runtime error
  - C) End
  - D) No output
- 

### Q69

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Thread.holdsLock(new Object()));  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q70

```
class Test {  
    public static void main(String[] args) {  
        Thread t = new Thread();  
        t.start();  
        t.start();  
    }  
}
```

- A) No output
- B) Runtime exception

- C) Compilation error
  - D) Infinite loop
- 

## ANSWERS (Q51–Q70)

- 51. C
- 52. B
- 53. B
- 54. A
- 55. B
- 56. C
- 57. B
- 58. B
- 59. B
- 60. A
- 61. B
- 62. B
- 63. B
- 64. B
- 65. B
- 66. A
- 67. B
- 68. C
- 69. B
- 70. B

## TOPIC 5: Collections, Generics, File I/O, Miscellaneous (Q71–Q100)

---

### Q71

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        List list = new ArrayList();
        list.add("Java");
        list.add(10);
        System.out.println(list);
    }
}
```

- A) Compilation error
- B) Runtime error
- C) [Java, 10]
- D) [10, Java]

---

## Q72

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        List<String> list = new ArrayList<>();
        list.add("Java");
        list.add(null);
        System.out.println(list);
    }
}
```

- A) Compilation error
  - B) Runtime error
  - C) [Java, null]
  - D) [null, Java]
- 

## Q73

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        Set<Integer> set = new HashSet<>();
        set.add(10);
        set.add(10);
        System.out.println(set.size());
    }
}
```

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

## Q74

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        Map<String, Integer> map = new HashMap<>();
        map.put("A", 1);
        map.put("A", 2);
        System.out.println(map.get("A"));
    }
}
```

- A) 1
- B) 2

- C) null
  - D) Compilation error
- 

### Q75

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        List<Integer> list = Arrays.asList(1, 2, 3);
        list.add(4);
        System.out.println(list);
    }
}
```

- A) [1, 2, 3, 4]
  - B) Compilation error
  - C) Runtime exception
  - D) [1, 2, 3]
- 

### Q76

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        List<Integer> list = new ArrayList<>();
        list.add(1);
        list.add(2);
        list.add(3);
        list.remove(1);
        System.out.println(list);
    }
}
```

- A) [1, 2, 3]
  - B) [1, 3]
  - C) [2, 3]
  - D) [1, 2]
- 

### Q77

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        Queue<Integer> q = new PriorityQueue<>();
        q.add(3);
        q.add(1);
        q.add(2);
        System.out.println(q.poll());
    }
}
```

}

- A) 3
  - B) 2
  - C) 1
  - D) Order not defined
- 

### Q78

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        TreeSet<Integer> set = new TreeSet<>();
        set.add(null);
        System.out.println(set);
    }
}
```

- A) [null]
  - B) Compilation error
  - C) Runtime exception
  - D) []
- 

### Q79

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        Map<Integer, String> map = new Hashtable<>();
        map.put(1, null);
        System.out.println(map);
    }
}
```

- A) {1=null}
  - B) {}
  - C) Compilation error
  - D) Runtime exception
- 

### Q80

```
import java.util.*;
class Test {
    public static void main(String[] args) {
        List<String> list = new Vector<>();
        list.add("A");
        list.add("B");
        System.out.println(list);
    }
}
```

```
    }  
}
```

- A) Compilation error
  - B) Runtime error
  - C) [A, B]
  - D) {}
- 

### Q81

```
import java.util.*;  
class Test {  
    public static void main(String[] args) {  
        Iterator<Integer> it = new ArrayList<Integer>().iterator();  
        System.out.println(it.hasNext());  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q82

```
class Test<T> {  
    T obj;  
    Test(T obj) {  
        this.obj = obj;  
    }  
    T get() {  
        return obj;  
    }  
}  
public class Demo {  
    public static void main(String[] args) {  
        Test<Integer> t = new Test<>(10);  
        System.out.println(t.get());  
    }  
}
```

- A) Compilation error
  - B) Runtime error
  - C) 10
  - D) null
- 

### Q83

```
import java.io.*;
class Test {
    public static void main(String[] args) throws Exception {
        File f = new File("abc.txt");
        System.out.println(f.exists());
    }
}
```

- A) true always
  - B) false always
  - C) Depends if file exists
  - D) Compilation error
- 

### Q84

```
import java.io.*;
class Test {
    public static void main(String[] args) throws Exception {
        File f = new File("abc.txt");
        f.createNewFile();
        System.out.println(f.exists());
    }
}
```

- A) false
  - B) true
  - C) Compilation error
  - D) Runtime error
- 

### Q85

```
import java.io.*;
class Test {
    public static void main(String[] args) throws Exception {
        FileOutputStream fos = new FileOutputStream("a.txt");
        fos.write(65);
        fos.close();
    }
}
```

What is written to file?

- A) 65
  - B) 'A'
  - C) Compilation error
  - D) Runtime error
- 

### Q86



```
class Test {  
    public static void main(String[] args) {  
        System.out.println(String.format("%d", 10.5));  
    }  
}
```

- A) 10
  - B) 10.5
  - C) `IllegalFormatConversionException`
  - D) Compilation error
- 

### Q87

```
enum Day {  
    MON, TUE;  
}  
class Test {  
    public static void main(String[] args) {  
        System.out.println(Day.MON.ordinal());  
    }  
}
```

- A) 0
  - B) 1
  - C) Compilation error
  - D) Runtime error
- 

### Q88

```
class Test {  
    public static void main(String[] args) {  
        assert false : "Error";  
        System.out.println("Done");  
    }  
}
```

When assertions are enabled:

- A) Done
  - B) Error
  - C) `AssertionError`
  - D) Compilation error
- 

### Q89

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Class.forName("java.lang.String"));  
    }  
}
```

}

- A) java.lang.String
  - B) class java.lang.String
  - C) Compilation error
  - D) Runtime error
- 

### Q90

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Void.TYPE);  
    }  
}
```

- A) void
  - B) Void
  - C) null
  - D) Compilation error
- 

### Q91

```
class Test {  
    static {  
        System.out.println("Static");  
    }  
    public static void main(String[] args) {  
        System.out.println("Main");  
    }  
}
```

- A) Main
  - B) Static
  - C) Static Main
  - D) Compilation error
- 

### Q92

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Math.round(10.5));  
    }  
}
```

- A) 10
- B) 11

- C) 10.5
  - D) Compilation error
- 

### Q93

```
class Test {  
    public static void main(String[] args) {  
        System.out.println("Java".compareTo("Java"));  
    }  
}
```

- A) 1
  - B) -1
  - C) 0
  - D) Compilation error
- 

### Q94

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(System.getProperty("java.version"));  
    }  
}
```

- A) Compilation error
  - B) Runtime error
  - C) JVM version
  - D) null
- 

### Q95

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Runtime.getRuntime().availableProcessors());  
    }  
}
```

- A) Always 1
  - B) Number of CPU cores
  - C) JVM version
  - D) Compilation error
- 

### Q96

```
class Test {  
    public static void main(String[] args) {  
        System.out.println("Java".intern() == "Java");  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q97

```
class Test {  
    public static void main(String[] args) {  
        String s = new String("Java");  
        s.intern();  
        System.out.println(s == "Java");  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q98

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Boolean.valueOf("true"));  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q99

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Character.isDigit('5'));  
    }  
}
```

- A) true
  - B) false
  - C) Compilation error
  - D) Runtime error
- 

### Q100

```
class Test {  
    public static void main(String[] args) {  
        System.out.println(Math.max('A', 100));  
    }  
}
```

- A) A
  - B) 65
  - C) 100
  - D) Compilation error
- 

## ANSWERS (Q71–Q100)

- 71. C
- 72. C
- 73. B
- 74. B
- 75. C
- 76. B
- 77. C
- 78. C
- 79. D
- 80. C
- 81. B
- 82. C
- 83. C
- 84. B
- 85. B
- 86. C
- 87. A
- 88. C
- 89. B
- 90. A
- 91. C
- 92. B
- 93. C
- 94. C
- 95. B
- 96. A

- 97. B
- 98. A
- 99. A
- 100. C