#### 1. Exception Handling

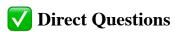
# **V** Direct Questions

- 1. Which keyword is used to handle exceptions in Java?
  - a) final
  - b) catch
  - c) throw
  - d) try
  - **✓** Answer: d
- 2. What is the base class for all exceptions in Java?
  - a) Exception
  - b) Throwable
  - c) Error
  - d) RuntimeException
  - **✓** Answer: b
- 3. What type of exception is IOException?
  - a) Checked
  - b) Unchecked
  - c) Error
  - d) Compile-time
  - **✓** Answer: a

### **Scenario-Based Questions**

- 4. A developer forgot to close a file input stream in the try block. What construct ensures the stream gets closed?
  - a) catch
  - b) throw
  - c) finally
  - d) throws
  - **✓** Answer: c
- **5.** You want to catch multiple exceptions that share a common superclass. Which practice is recommended?
  - a) Use separate catch blocks
  - b) Use a multi-catch block
  - c) Catch only the parent class
  - d) Use a nested try
  - **✓** Answer: b

#### 2. Try-Catch Blocks



- 1. Can a try block be used without a catch block?
  - a) No
  - b) Only if throw is used
  - c) Yes, if finally is used
  - d) Only with checked exceptions
  - **✓** Answer: c
- 2. What happens if no exception occurs in the try block?
  - a) catch is executed
  - b) finally is skipped
  - c) catch is skipped, finally executes
  - d) Program terminates
  - **✓** Answer: c
- 3. Which block executes regardless of an exception?
  - a) try
  - b) catch
  - c) finally
  - d) throw
  - **✓** Answer: c

## **Scenario-Based Questions**

- 4. A program crashes despite using try-catch. What might be the issue?
  - a) Missing finally
  - b) Wrong catch block for the exception type
  - c) Too many catch blocks
  - d) try placed inside a method
  - **✓** Answer: b
- 5. If an exception occurs and is caught, which block executes next?
  - a) catch
  - b) finally
  - c) try
  - d) throw
  - Answer: b

### 3. Types of Exceptions

- **V** Direct Questions
  - 1. Which of these is a checked exception?
    - a) NullPointerException
    - b) IOException
    - c) ArithmeticException

- d) ArrayIndexOutOfBoundsException
- **✓** Answer: b
- 2. Which class is the superclass of all exceptions?
  - a) RuntimeException
  - b) Throwable
  - c) Exception
  - d) Error
  - **Answer:** b
- 3. Which of these is a runtime exception?
  - a) IOException
  - b) SQLException
  - c) NullPointerException
  - d) ParseException
  - **✓** Answer: c

# Scenario-Based Questions

- 4. A program opens a file that doesn't exist. What exception is most likely?
  - $a) \ File Not Found Exception \\$
  - b) IOException
  - c) SQLException
  - d) NullPointerException
  - **✓** Answer: a
- 5. An array is accessed with index 10, but its length is 5. What will happen?
  - a) No error
  - $b) \ {\bf Array Index Out Of Bounds Exception}$
  - c) NullPointerException
  - d) ArithmeticException
  - 🗸 Answer: b