


# 1. Exception Handling

## 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

## Direct Questions

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



### 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) **`FileNotFoundException`**

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) **`ArrayIndexOutOfBoundsException`**

c) `NullPointerException`

d) `ArithmeticException`

✓ Answer: b