

Java Exception Handling

Level 1

Q1. Write a Java program to handle division by zero using try-catch.

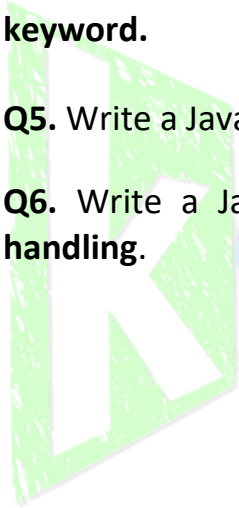
Q2. Write a Java program that throws an exception and catches it using a try-catch block.

Q3. Write a Java program to demonstrate the execution of the finally block.

Q4. Write a Java program to manually throw an exception using the throw keyword.

Q5. Write a Java program to handle a NullPointerException.

Q6. Write a Java program to access an array element safely using exception handling.



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Level 2

Q7. Write a Java program to handle both **ArithmeticException** and **ArrayIndexOutOfBoundsException**.

Q8. Write a Java program using **nested try–catch blocks** to handle different errors.

Q9. Write a Java program to create a **method that takes an integer as a parameter and throws an exception if the number is odd**.

Q10. Write a Java program to **use the throws keyword to declare an exception**.

Q11. Write a Java program to **handle multiple exceptions using a single catch block**

Q12. Write a Java program to **demonstrate exception propagation**.

Q13. Write a Java program to **use try with multiple catch blocks**.



Level 3

Q14. Write a Java program to **read a file and throw an exception if the file is not found.**

Q15. Write a Java program that **reads a file and throws an exception if the file is empty.**

Q16. Write a Java program that **reads a list of numbers from a file and throws an exception if any number is positive.**

Q17. Write a Java program that **reads a list of integers from the user and throws an exception if duplicate numbers are entered.**

Q18. Write a Java program to create a **method that takes a string as input and throws an exception if the string does not contain vowels.**

Q19. Write a Java program to **validate user login details and throw an exception for invalid input.**

Q20. Write a Java program to **create and use a user-defined exception.**

Q21. Write a Java program to **create multiple user-defined exceptions and handle them.**

Q22. Write a Java program to **use try-with-resources to handle file operations safely.**

Level 4

Q23. Write a Java program to **simulate a bank withdrawal system using custom exceptions.**

Q24. Write a Java program to **validate age and salary using user-defined exceptions.**

Q25. Write a Java program to **log exception details to a file.**

