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**Title: -** Develop application which can handle any 5 combination of predefined compile time and runtime exceptions using multiple catch blocks. Use throws and finally keywords as well.

**Program: -**

public class Exception\_Handling {

    public static void main(String[] args) {

        try {

            int a = 30, b = 0;

            int c = a / b; // cannot divide by zero

            System.out.println("Result = " + c);

        } catch (ArithmeticException e) {

            System.out.println("Can't divide a number by 0");

        }

        try {

            // String a = null; // null value

            // System.out.println(a.charAt(0));

        } catch (NullPointerException e) {

            System.out.println("Null Pointer Exception");

        }

        try {

            String c = args[2]; // accessing 25th element

            System.out.println(c);

        } catch (ArrayIndexOutOfBoundsException e) {

            System.out.println("Array Index Out Of Bounds Exception");

        }

        try {

            String a = "This is like chipping "; // length is 22

            char c = a.charAt(24); // accessing 25th element

            System.out.println(c);

        } catch (StringIndexOutOfBoundsException e) {

            System.out.println("String Index Out Of Bounds Exception");

        }

        try {

            // "akki" is not a number

            int num = Integer.parseInt("akki");

            System.out.println(num);

        } catch (NumberFormatException e) {

            System.out.println("Number format exception");

        } finally {

            System.out.println("EXCEPTION HANDLING!");

        }

    }

}

**Output: -**

