OOP Lab Assignment-6

Exception Handling

Name: - Atharva Kinikar

Div: - SE 10

Batch: - F 10

Roll No: - 23241

Code: -

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import java.util.Scanner;

public class App {

    public static void main(String[] args) throws Exception {

        Scanner sc = new Scanner(System.in); // creating object sc of Scanner class

        try {

            System.out.println("Enter number of elements of array =>");

            int n = sc.nextInt();

            int arr[] = new int[n];

            System.out.println("Enter elements in an array");

            for (int i = 0; i < n; i++) // entering elements in an array

            {

                System.out.print("Enter " + (i) + " index Element: ");

                arr[i] = sc.nextInt();

            }

            System.out.println("Enter the array index to display element present on that position:");

            int i = sc.nextInt();

            System.out.println("Element Present:" + arr[i]);

            System.out.println();

            System.out.println("Enter two numbers for Division"); // Entering numbers for division

            System.out.println("Enter Num 1:");

            int n1 = Integer.parseInt(sc.next());

            System.out.println("Enter Num 2:");

            int n2 = Integer.parseInt(sc.next());

            ;

            int a = n1 / n2;

            System.out.println("Division of " + n1 + " and " + n2 + " is:" + a);

        } catch (NumberFormatException e) // Exception is thrown when numbers are not enteres

        {

            System.out.println("NumberFormatException Occured!!!");

        } catch (ArithmeticException e) // Division by 0 Exception thrown

        {

            System.out.println("Division by Zero not possible!!!");

        } catch (ArrayIndexOutOfBoundsException e) // Array index out of bound exception thrown

        {

            System.out.println("Array Index Out Of Bound!!!");

        }

        sc.close();

    }

}