# Question 02:

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

try {

System.out.print("Enter the size of the array: ");

int size = scanner.nextInt();

int[] arr = new int[size];

System.out.println("Enter " + size + " integers:");

for (int i = 0; i < size; i++) {

arr[i] = scanner.nextInt();

}

System.out.print("Enter the index to access: ");

int index = scanner.nextInt();

int value = arr[index];

System.out.println("Value at index " + index + ": " + value);

} catch (ArrayIndexOutOfBoundsException e) {

System.out.println("Invalid index! Array index is out of bounds.");

} catch (Exception e) {

System.out.println(" Something went wrong!");

} finally {

scanner.close();

}

}

}