4.Write a program in java to demonstrate try and catch.

public class TryCatchDemo {

public static void main(String[] args) {

int[] numbers = { 1, 2, 3, 4, 5 };

int index = 10;

try {

int result = numbers[index];

System.out.println("The number at index " + index + " is: " + result);

} catch (ArrayIndexOutOfBoundsException e) {

System.out.println("Error: Index is out of bounds!");

}

}

}

OUTPUT:

Error: Index is out of bounds!