

# MULTIPLE EXCEPTIONS

## Code:

```
2 package com.mycompany.multipleexceptions;
3
4 import java.util.*;
5 public class MultipleExceptions {
6     public static void main(String[] args) {
7         Scanner sc=new Scanner(System.in);
8         int[] numbers = {11, 5, 8, 3, 21, 7, 66, 33, 31, 90};
9         int choice = 1;
10        while (choice == 1) {
11            try {
12                System.out.print("Enter a number to search in the array: ");
13                int number =sc.nextInt();
14                System.out.print("Enter the index you want to check: ");
15                int index =sc.nextInt();
16                if (numbers[index] == number) {
17                    System.out.println("You Won!");
18                } else {
19                    System.out.println("You Lost!");
20                }
21                System.out.print("want to continue?(1 for YES and 0 for NO): ");
22                choice =sc.nextInt();
23                if (choice == 0) {
24                    System.out.println("Goodbye!");
25                    break;
26                }
27            } catch (InputMismatchException ex) {
28                System.out.println("Invalid input type.");
29                sc.nextLine();
30            } catch (ArrayIndexOutOfBoundsException ex) {
31                System.out.println("Invalid index.Please enter a valid index.");
32                sc.nextLine();
33            }
34        }
35    }
36 }
```

## Output:

```
Enter a number to search in the array: 5
Enter the index you want to check: 3
You Lost!
want to continue?(1 for YES and 0 for NO): 0
Goodbye!
```