**Exception**

package com.exceptionhandling.demo;

import java.util.Scanner;

public class ExceptionDemo {

public static void main(String[] args) {

System.out.println("Program is started..");

Scanner sc = new Scanner(System.in);

// Example 1

/\*System.out.println("Enter a number..");

int num = sc.nextInt();

System.out.println(100/num); // ArithmeticException

\*/

// Example 2

/\*int a[] = new int[5];

System.out.println("Enter position 0-4:");

int pos = sc.nextInt();

System.out.println("enter the value:");

int value = sc.nextInt();

a[pos]=value;

System.out.println(a[pos]); // ArrayIndexOutOfBoundsException

\*/

// Example 3

String s = "welcome";

int num = Integer.parseInt(s);

System.out.println(num); // NumberFormatException

System.out.println("Program is completed..");

System.out.println("Program is Exited..");

}

}

**Handling Exception**

package com.exceptionhandling.demo;

import java.util.Scanner;

public class HandlingException {

public static void main(String[] args) {

System.out.println("Program is started..");

Scanner sc = new Scanner(System.in);

// Example 1

System.out.println("Enter a number..");

int num = sc.nextInt();

try

{

System.out.println(100/num); // ArithmeticException

}

catch(Exception e)

{

System.out.println(e.getMessage());

}

System.out.println("Program is completed..");

System.out.println("Program is Exited..");

}

}

**Finally block**

package com.exceptionhandling.demo;

public class FinallyBlock {

public static void main(String[] args) {

System.out.println("Program is started..");

String s = null;

//int num = Integer.parseInt(s);

try

{

System.out.println(s.length()); // NumberFormatException

}

catch(Exception e)

{

System.out.println(e.getMessage());

}

finally {

System.out.println("You entered into finally block..");

}

}

}