6. Write a program in Java to demonstrate exception handling

package Phase\_One;

import java.util.\*;

public class Exception\_1

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.***in***);

System.***out***.println("enter a first number ");

int num1 = sc.nextInt();

System.***out***.println("enter a second number ");

int num2 = sc.nextInt();

int result;

try {

result = num1/num2;

System.***out***.println("Result : " + result);

}

catch(ArithmeticException ae)

{

System.***out***.println("Exception :Division by zero");

}

}Output:1

enter a first number

5

enter a second number

2

**Result : 2**

Output : 2

enter a first number

5

enter a second number

0

**Exception :Division by zero**