

Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

```
import java.util.*;

class exc1 {

    public static void main(String args[]) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter two numbers: ");

        try{

            int a = sc.nextInt();

            int b = sc.nextInt();

            int res = a/b;

            System.out.println("res : "+res);

        }

        catch(java.lang.ArithmeticException e){

            System.out.println("Denomintaor can't be zero "+e);

        }

        catch(java.util.InputMismatchException e){
```

```
System.out.println("datatype entry error "+e);  
}  
}  
}
```

OUTPUT:

```
C:\Users\user\Desktop>javac exc1.java  
C:\Users\user\Desktop>java exc1  
Enter two numbers:  
1  
0  
Denomintaor can't be zero java.lang.ArithmeticException: / by zero  
C:\Users\user\Desktop>
```