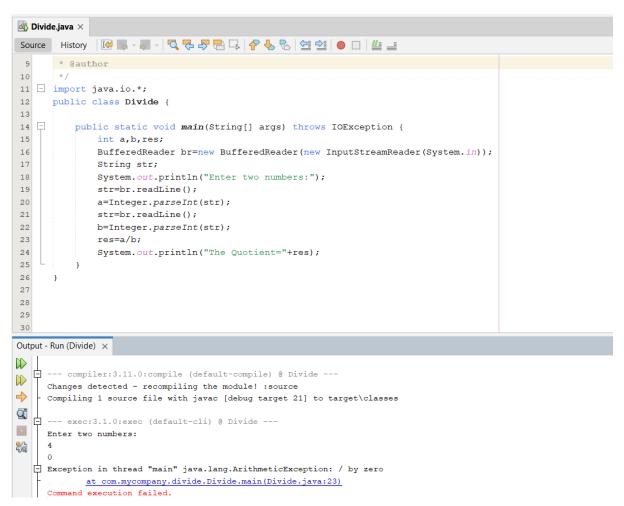
## **Practical 3: Exceptions**

**a.** Write a program to raise built-in exception and raise them as per the requirements.



**b.** Write a program to define user defined exceptions and raise them as per the requirements.

```
import java.io.*;
   public class Divide12{
      public static void main(String[] args) throws IOException {
          BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
          String str;
          System.out.println("Enter two numbers:");
             str=br.readLine();
             a=Integer.parseInt(str);
             str=br.readLine();
             b=Integer.parseInt(str);
\dot{\Box}
             res=a/b;
             System.out.println("The Quotient="+res);
          catch(ArithmeticException ae){
             System.out.println("Exception has occured. You have entered the divisor as zero");
         catch (NumberFormatException ne) {
             System.out.println("Invalid Number");
out - Run (Divide12) ×
  --- exec:3.1.0:exec (default-cli) @ Divide12 ---
  Enter two numbers:
Exception has occured. You have entered the divisor as zero
] --- exec:3.1.0:exec (default-cli) @ Dividel2 ---
  Enter two numbers:
· Invalid Number
] --- exec:3.1.0:exec (default-cli) @ Divide12 ---
  Enter two numbers:
  5
- The Quotient=2
  ______
```