S.No: 18	Exp. Name: ***Write the code for handling the exception***	Date:2023-11-05

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Aim:

Write a Java code for handling the exception.

Source Code:

q222/handleError.java

```
package q222;
import java.util.Random;
public class handleError {
   public static void main(String args[]) {
      int a = 0, b = 0, c = 0;
      Random r = new Random(100);
            for(int i=0;i<32;i++)
            {
               try
               {
                  b=r.nextInt();
                  c=r.nextInt();
                  a=12345/(b/c);
               }
               catch(ArithmeticException e)
               {
                  System.out.println("Division by zero.");
                  a=0;
               }
               System.out.println("a: "+a);
            }



   }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
a: 12345
Division by zero.
a: 0
a: -1028
Division by zero.
a: 0
a: 12345
a: -12345
Division by zero.
a: 0
a: 3086

a: 12345
a: -12345
a: 12345
Division by zero.
a: 0
a: -12345
a: 12345
a: 342
a: 12345
a: -12345
a: 12345
a: -12345
Division by zero.
a: 0
a: -4115
Division by zero.
a: 0
a: -4115
a: 6172
a: 6172
Division by zero.
a: 0
Division by zero.
a: 0
Division by zero.
a: 0
a: 12345
a: -280
a: -12345
Division by zero.
a: 0