Aim:

Write a Java code for handling the exception.

Source Code:

q222/handleError.java

```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