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 ae){
            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