

S.No: 18	Exp. Name: <i>Write the code for handling the exception</i>	Date:
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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);          }

    }
}
```

ID: 204G1A0584

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

Test Case - 1
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