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import javax.swing.*;

public class Week19{

    public void intTest(){

        int i = 9;
        char c = (char)i;

    }

    public void main() throws Exception{

        // Read two strings from user
        String s1 = JOptionPane.showInputDialog( "Input Number" );
        String s2 = JOptionPane.showInputDialog( "Input Number" );

        // Check they are here and not blank
        if( ( null == s1 ) || ( null == s2 ) ){
            throw new Exception( "One of the values is null" );
        }

        if( ( s1.trim().equals("") ) || ( s2.trim().equals("") ) ){
            throw new Exception( "One of the values is empty" );
        }

        // Convert to ints and show errors
        int i1;
        int i2;

        try{
            i1 = Integer.parseInt( s1 );
        }
        catch( NumberFormatException nfe ){
            i1 = 0;
        }

        try{
            i2 = Integer.parseInt( s2 );
        }
        catch( NumberFormatException nfe ){
            i2 = 0;
        }

        // Calculate and check for divide by zero
        if( 0 == i2 ){
            throw new DIVException( "Divide by zero" );
        }

        try{
            JOptionPane.showMessageDialog( null, "" + ( i1 / i2 ) );
        }
        catch( ArithmeticException ae ){
            JOptionPane.showMessageDialog( null, "0 (DBZ)" );
        }
    }
}
```

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    }

    // Other method....

    // Show result
}

void main2(){
    try{
        main();
    }
    catch( DIVException de ){
        System.out.println( de );
    }
    catch( Exception e ){
        System.out.println( "Conventional Exception" );
    }
}

}

class DIVException extends Exception{
    DIVException( String s ){
        super( s );
    }
}

}
```