

Aim:

Write a Java program to handle an `ArithmeticException` **divided by zero** by using **try**, **catch** and **finally** blocks.

Write the **main()** method with in the class `MyFinallyBlock` which will receive **four** arguments and convert the first two into integers, the last two into float values.

Write the **try**, **catch** and **finally** blocks separately for finding division of two **integers** and two **float** values.

If the input is given as command line arguments to the **main()** as **"10", "4", "10", "4"** then the program should print the output as:

```
Result of integer values division : 2
Inside the 1st finally block
Result of float values division : 2.5
Inside the 2nd finally block
```

If the input is given as command line arguments to the **main()** as **"5", "0", "3.8", "0.0"** then the program should print the output as:

```
Inside the 1st catch block
Inside the 1st finally block
Result of float values division : Infinity
Inside the 2nd finally block
```

Note: Please don't change the package name.

Source Code:

`q11330/MyFinallyBlock.java`

```
package q11330;
public class MyFinallyBlock {
    public static void main(String args[])
    {
        try
        {
            System.out.println("Result of integer values division : "+Integer.parseInt(a
rgs[0])/Integer.parseInt(args[1]));
        }
        catch(ArithmeticException e)
        {
            System.out.println("Inside the 1st catch block");
        }
        finally
        {
            System.out.println("Inside the 1st finally block");
        }
        try
        {
            System.out.println("Result of float values division : "+Float.parseFloat(arg
s[2])/Float.parseFloat(args[3]));
```

```

    }
    catch(ArithmeticException e)
    {
        System.out.println("Inside the 2nd catch block");
    }
    finally
    {
        System.out.println("Inside the 2nd finally block");
    }
}
}

```

Execution Results - All test cases have succeeded!

| Test Case - 1 |
|---|
| User Output |
| Result of integer values division : 2 |
| Inside the 1st finally block |
| Result of float values division : 0.8333333 |
| Inside the 2nd finally block |

| Test Case - 2 |
|---|
| User Output |
| Inside the 1st catch block |
| Inside the 1st finally block |
| Result of float values division : 2.8666668 |
| Inside the 2nd finally block |

| Test Case - 3 |
|--|
| User Output |
| Inside the 1st catch block |
| Inside the 1st finally block |
| Result of float values division : Infinity |
| Inside the 2nd finally block |