

**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[])
    {
        int a=Integer.parseInt(args[0]);
        int b=Integer.parseInt(args[1]);
        float c=Float.parseFloat(args[2]);
        float d=Float.parseFloat(args[3]);
        try
        {
            System.out.println("Result of integer values division : "+(a/b));
        }
        catch(ArithmeticException e)
        {
            System.out.println("Inside the 1st catch block");
        }
        finally
        {
            System.out.println("Inside the 1st finally block");
        }
    }
}
```

```

    {
        System.out.println("Result of float values division : "+(c/d));
    }
    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