

CheckedExceptionExample.java

```
1 package class18;
2
3 public class CheckedExceptionExample {
4
5     public static int doCalculation(int a, int b) throws RangeCheck {
6         if (a < 0 || b < 0) {
7             throw new RangeCheck("Arguments must be greater than zero!");
8         } // end if
9         return a/b;
10    } // end doCalculation
11
12    public static void main(String[] args) {
13        try {
14            System.out.println(doCalculation(15, -5));
15        } catch (RangeCheck e) {
16            System.out.println("Oops." + e.getMessage());
17        } catch (ArithmeticException e) {
18            System.out.println("Oops." + e.getMessage());
19        } catch (Exception e) {
20            System.out.println("Oops." + e.getMessage());
21        } // end catch
22        System.out.println("All is operating normally.");
23    } // end main
24
25 } // end class CheckedExceptionExample
```

RangeCheck.java

```
1 package class18;
2
3 public class RangeCheck extends Exception {
4     public RangeCheck(String inc) {
5         super(inc);
6     } // end ctor
7 } // end RangeCheck
```