CS4097 - OBJECT ORIENTED PROGRAMMING LABORATORY
Assignment Questions

1. Design a shared counter in Java.

Input:
Number of threads (n) and
Maximum count in each thread (N)

Output:
Display the value of each counter in parallel, as the value gets incremented in each counter.
All the counters should reset to zero when at least one of them reaches maximum count N.

2. Write a Java program to illustrate multiple catch block.

3. Create a class Student with attribute name, rollNo, internalMark, externalMark and assignmentMark.

Input:
The input is given in single line with tabspaces in between the attributes.

 Check for input format and handle all those error conditions through exceptions. Besides that create new exception classes that can handle when the marks entered are negative and those which checks for bounds of the marks entered. The maximum marks for internalMark is 15, externalMark is 50 and assignmentMark is 25.

Output:
Print the exception messages according to the error condition arises in the input. Make use of multiple catch blocks. throw keyword can be utilized for explicitly throwing created exceptions.