**B.Tech Second Year (IT)**

**JWT Lab**

**Lab Assignment #8**

**Assignment 8:**

**Part 1:**

Write a Java Program to find the factorial of ‘n’ integers (as command line arguments CLA). Write your own exception “MyExcep” to validate integer values to be in certain range.

Sample call: **java ExceptionDemo 8 – 6 14 abcd 5**

1. Static main method invokes another method “factorial()”
2. CLA which are strings but interpreted as integer values.
3. The user-defined exception class MyExcep should have proper constructors / overridden toString() method to display exception message along with the wrong input number that had generated the exception.

NumberFormatException (ill-formed CLA)

And

Your Exception class MyExcep( n<0 and n>12 )

**Part 2:**

Define an exception class called “*NOMATCHEXCP*” that is thrown when the string from keyboard is not equal to “India”. Write a Demo program using try-catch block that shows the use of this user-defined exception.

class *NOMATCHEXCP* ***should*** *have a parameterized constructor and the exception message generated should show the line number and the erroneous String that was inputted by the user.*