

Graphic Era Deemed to be university

Dept of CSE

Java Programming (TCS408)

Assignment – 2

EVEN Sem 2023

Q1. Create a three-level hierarchy of exceptions. Now create a base-class A with a method that throws an exception at the base of your hierarchy. Inherit B from A and override the method so it throws an exception at level two of your hierarchy. Repeat by inheriting class C from B. In main(), create a C and upcast it to A, then call the method. (CO2, CO3)

Q2. WAP to show that how producer-consumer problem can be solved using Inter thread communication in Java. (CO3)

Q3. WAP in which there is one class Table, which is having a function to print table of any number(number should be passed as a function parameter).Create two threads First and Second and both threads are printing table of two different numbers. Create one more class as Final class in which run method of both the threads will be called. (CO3)

Q4. WAP to show the concept of deadlock condition between multiple threads when they are sharing common resources also write code that how this deadlock can be resolved. (CO3)