

Department of Computer Science & Engineering



Course code: CS234,
Class: B.tech

Course title: **Object Oriented Programming and Design Pattern**
Semester / Level: III

Lab-7

Tut No.	Objective
1	Exception Handling

- 1- Consider an array that has been initialized by user input. Compute the division of each adjacent index and use try and catch block to handle if an exception generates. Also try to access the index that is not part of the array and handle it using suitable catch block.
- 2- The nested try block can handle multiple try and catch block along with finally stuffed within each other. Write a suitable program for the mentioned scenario.
- 3- Write a suitable program in java to make the use of throw and throws. Given one scenario where chained exception is used for the different type of exception. Also use various methods to print the occurred exception.
- 4- Create your own exception class and handle the scenario where user needs to enter their age and by mistake user has provided -ve number in the input. Handle it by providing suitable message. Also, consider the scenario where we need to compute the area of rectangle and need to validate the length and width of the rectangle.
- 5- Create a method1 that computes the division operation on two constant values provided by user. Create another method named method2() that calls method1() and similarly method3() that calls method2(). In the main() function call method3() and see the result if exception occurs in method1(). Now create a try and catch block to handle the exception occurred in method using pre-defined methods of exception. Use printStackTrace() to see the propagation of the exception.
- 6- Write a program in java to justify the process of chained exception.