OOP

Lab Manual (Lab 11)

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Session: Spring 2024

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**Lab task 01**

Write a Java program that takes two integers as input and divides the first by the second. Use a try-catch block to handle any ArithmeticException that occurs due to division by zero.

**Lab Task 02**

Write a Java program that contains the following values within an array.

Array {1,2,3,4,5,23,34,12,34,12}

Ask the user to select an element from the given array by providing index of the array and find its cube. Use a try-catch block to handle ArrayIndexOutOfBoundsException.

**Lab Task 03**

Write a Java program with nested try-catch blocks. The outer try-catch should handle an array access, and the inner try-catch should handle a division by zero. Goal is to select an array element from the following array and divide it by some number provided by the user as an input.

Array {1,2,3,4,5,23,34,12,34,12}

**Lab Task 04**

Create a custom exception **InvalidAgeException** that is thrown when a user inputs an age less than 18. Write a Java program to take the user's age as input and throw the custom exception if the age is invalid.