# **Course: Object Oriented Programming**

# **Lab 10**

**Exception Handling**

**Task 1:**

Write java code, which throws index out of bound exception, arithmetic exception and input mismatch exception, with three catch block and one final block.

**Task 2:**

Write a program that:

1. Create a unchecked exception class named AgeOutOfRangeException. This class should contain a method getMessage() which will print

**“You are older than the requested age (25 years)”.**

1. Create an checked exception class named LowGpaException. This class should contain a method getMessage() which will print

**“Your GPA is not sufficient to apply for this job (2.5)”.**

1. Create a main class to prompt the user to enter his/her age and his GPA. The user application for a job will be rejected either if his age is greater than 25 years or his GPA is less than 2.5. You should declare two try-catch blocks; one to handle the AgeOutOfRangeException and the other to handle the LowGpaException.

**If the user enters acceptable age and GPA, display the message “Your application is accepted and is under study”.**