

Faculty of Engineering, University of Jaffna

Department of Computer Engineering

EC5080: Software Construction

Lab 10: Code quality

Task 01 and Task 02 must be finished and submitted in lab time. Create a zip file in the format of Regno_Lab_10_inn including all your code folders and pdf answer sheets.

Task 01: You are given a Junit-2nd.pdf. Understand the steps and implement the program.

Task 02: Consider all your labsheets you have done so far (lab 1-9). Write manual test cases as in the following table.

| Lab Number | Test case (description/e quation/java statement) | Expected Output |
|------------|---|--------------------|
| | | |

Task 03: Findbugs is an open source tool for static code analysis of Java programs. Create a four-page tutorial on “Static Code Analysis with FindBugs. Your tutorial must have the information on, “why we need to do static code analysis”, “FindBugs”, “Two simple examples (Screenshots of steps-IntelliJ)”, etc.

Task 04: For your Lab 03, Question 02, implement the test cases (including exceptions). Your program should consider the annotated methods and class you have used in Task 01.

Create a zip file in a format of Lab10-Regno-Coursecode including all your code folders and pdf answer sheets.

Upload the zip file on/before given deadline via team.

Any plagiarized work will be given 0 marks.