Computer Science & Information Systems

Software Testing Methodologies – Lab Sheet2-M1

(M1: Introduction to Software Testing & Techniques)

This lab sheet needs to be administered along with Module 1: Introduction to Software Testing & Techniques of the course.

1. Objective:

   This lab capsule aims to familiarize students with the process involved in test case generation and execution of the same.

2. Steps to be performed:

   Question 1:

   a) The students are expected to write test cases for testing the Triangle program (see triangle.java). Use the template file (Template-TestCase.xlsx) to record the test cases generated and the output of the same. [A sample data is filled for your reference]

   b) Use Eclipse IDE for the writing the code and testing the same for varied test cases generated by you.

3. Outputs/Results:
   - Submit the template file with the test cases generated.
   - Snapshots of the execution of a few of the test cases developed should also be submitted.

4. Observations:

   The students are expected to observe and separately mark the test cases for which the code displays the message "Not a Triangle". Re-writing the test cases to avoid such invalid inputs would be appreciated.

5. References:
   - Refer triangle.java for code of triangle program.
   - Refer the file Template-TestCase.xlsx for template for writing test cases.