

**BCS3323 SOFTWARE TESTING & MAINTENANCE**

**Sem 2 2016/2017**

**Lab 4**

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Section: 01A

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Unit Testing of DetTrian

**Table 1: Test Cases**

| Test ID | Input | Expected Output | Actual result | Test Status | Junit Test |
| --- | --- | --- | --- | --- | --- |
| T001 | 20,20,20 | Equilateral triangle | Equilateral triangle | Success |  |
| T002 | -1, 30,30 | Impossible triangle | Impossible triangle | Success |  |
| T003 | 41,25,20 | Any triangle | Any triangle | Success |  |
| T004 | 10,20,15 | Any triangle | Any triangle | Success |  |
| T005 | 15,-1,16 | Impossible triangle | Impossible triangle | Success |  |
| T006 | 20,35,17 | Any triangle | Any triangle | Success |  |
| T007 | 22,22,20 | Isosceles triangle | Isosceles triangle | Success |  |
| T008 | 33,15, -2 | Impossible triangle | Impossible triangle | Success |  |
| T009 | 11,17,30 | Impossible triangle | Impossible triangle | Success |  |
| T010 | 15,17,30 | Any triangle | Any triangle | Success |  |
| T011 | 30,30,30 | Rightangled triangle | Equilateral triangle | Fail |  |
| T012 | 30.60.90 | Impossible triangle | Any triangle | Fail |  |
| T013 | 10,20,40 | Isosceles triangle | Impossible triangle | Fail |  |
| T014 | 100,500,1000 | Any triangle | Impossible triangle | Fail |  |
| T015 | 3,3,4 | Equilateral triangle | Isosceles | Fail |  |