**AC12001**

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Lab Title: …AC12001 assignment 1: Stacks………………………………..……….

Test number/date/version: 27/01/19 ……………………………………….……..

Test Notes: …Tests run on submitted assignment ……………………………

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| --- | --- | --- | --- |
| **Test Description** | **Test Data** | **Expected result** | **Worked?** |
| Push multiple nodes to a stack | Three items pushed on stack [enter data] | Data pushed onto stack | Y |
| Pop node from an empty stack | none | Outputs Error Message and asks for new equation | Y |
| RPN calculation | 6,6,+ | 12 | Y |
| RPN calculation | 3,5,6,+ | Outputs error message ask user to press enter and bring them back to menu | Y |
| RPN calculation | 4,+ | Outputs Exception error | Y |
| RPN calculation | 2,4,- | 2 | Y |
| RPN calculation | 2,3,-,1,+ | 2 | Y |
| Invalid input | 2+4 | Error message, re-enter equation | Y |
| RPN calculation | 3,5,\* | 15 | Y |
| Invalid input | 3/1 | Error message, re-enter equation | Y |
| RPN calculation | 3,1,/ | 3 | Y |
| RPN calculation | 5,5,\*,2,+,3,/ | 9 | N |
| RPN calculation | 5,5,\*,2,+,3,/ | 9 | Y |
| Invalid input | 5\*5/5 | Error message, re-enter equation | Y |
| Invalid input | 5,5,\*,/ | Error message, re-enter equation | Y |
| RPN calculation | 23,5,- | 18 | Y |
| RPN calculation | 6,8,\*,2,4,+,-,6,/ | 7 |  |