**Lab 02**

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| Student ID: | B08611010 |
| Total Score: |  |

**Note:**

All of the explanations in this lab is optional. However, giving reasonable explanations to your answer or programs will earn you partial credits when your answer is incorrect.

1. **Multiple Choice (42 points, 6 points each question)**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Answer | Explanation (Optional) | Score |
| 1 | a | a and b are operands, and a + 5 – b is an expression. |  |
| 2 | b | In python, 1.1+2.2==3.3000000000000003. Most decimal fractions cannot be represented exactly as binary fractions. A consequence is that, in general, the decimal floating-point numbers you enter are only approximated by the binary floating-point numbers actually stored in the machine, and that leads to the error here. |  |
| 3 | c | The “and” operator: if the first operand is false, return the first operand. Otherwise, evaluate and return the second operand.  Integers that is not 0 are seen as True. |  |
| 4 | a |  |  |
| 5 | a | 2 \* (s+t) == barfoobarfoo. |  |
| 6 | a | 1. gives the result of “nt” while all others give “tn”. |  |
| 7 | e |  |  |

1. **Reading and Multiple selection (18 points, 6 points each question)**

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| # | Answer | Explanation (Optional) | Score |
| 1 | a, d |  |  |
| 2 | d |  |  |
| 3 | b, d |  |  |

1. **Programming Exercise (40 points, 10 points each question)**

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| --- | --- | --- |
| # | Explanation (Optional) | Score |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |