

Lab 02

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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.

A. 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	$2 * (s+t) == \text{barfoo}\text{barfoo}$.	
6	a	(a) gives the result of “nt” while all others give “tn”.	
7	c		

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

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

C. Programming Exercise (40 points, 10 points each question)

#	Explanation (Optional)	Score
1		
2		
3		
4		