

<b>Computer Science 1</b>	<b>Exercises 07.01-05</b>	<b>Date:</b>
<b>Name:</b>		<b>Period:</b>

1. What is wrong with program **KeyboardInput01.py**?
2. Can you assume that the user will have knowledge of the inner workings of your program?
3. What is the purpose of using a *prompt* with **input**?
4. Can one program input multiple values?
5. Look at program **KeyboardInput04.py**. Why does this program not add the 2 numbers properly?
6. Look at program **KeyboardInput05.py**. How does this program cure the problem of the previous one?
7. Does **eval** work for integers, real numbers or both?
8. Can keyboard input on the text screen affect the output on the graphics window?
9. What command should be used for string input on the graphics window?
10. What command should be used for number input on the graphics window?
11. What does *program flow* follow?
12. In what computer language do programs require *control structures*?
13. What are the 3 general types of control structures?
14. How does *Simple Sequence* work?
15. What are 2 synonyms for *Selection*?
16. What are the 3 types of *Selection*?
17. When using *two-way selection* can both directions ever be *selected*?

18. Give a real-life example of *Two-Way Selection*. (Not the one that is in the book.)
19. Explain *Multi-Way Selection*.
20. Explain *Repetition*.
21. What do *Selection* and *Repetition* control structures have in common?
22. What is a *conditional statement*?
23. Most conditional statements require a \_\_\_\_\_. *relational operator*
24. All conditions end with what operator?
25. List the 6 *relational operators*.
26. Python does not use “=” to test for equality. What does it use instead?
27. What kind of operator is “=”?
28. Describe *one-way selection*.
29. What is the output of program **Selection01.py** if the user enters **456789**?
30. What is the output of program **Selection01.py** if the user enters **654321**?
31. What is wrong with program **Selection02.py**?
32. In most languages, indenting the program statements that are “controlled” by control structures is recommended. In Python, it is \_\_\_\_\_.
33. What do you need to do to control multiple program statements with the same control structure? (Hint: Look at program **Selection03.py**.)
34. Refer to the previous question. How many program statements can be controlled?