

Computer Science 1	Exercises 07.06-10	Date:
Name:		Period:

- Describe *two-way selection*.
- What statement is used with **if** for *two-way selection*?
- What is the output of program **Selection04.py** if the user enters **500**?
- What is the output of program **Selection04.py** if the user enters **1500**?
- Write the Python code that will perform this action:


```
If your grade is 70 or better,
    display "You passed!"
otherwise
    display "You failed!"
```
- Describe *Multiple-Way Selection*.
- The output of program **Selection06.java** looks very strange.
How does **Selection07.java** cure this problem?
- Refer to the previous question. While **Selection07.java** did fix the logic error of **Selection06.java**, the indenting of the program has become quite tedious. How does **Selection08.java** make things simpler?
- The **elif** command essentially combines an _____ command with the next _____.
- What is the output of program **Selection09.py** if the user enters **B**?
Your grade is in the 80s.
- What is the output of program **Selection09.py** if the user enters **J**?
- Refer to the previous question. What would be the output if you entered **J** for program **Selection10.py**?
- What is the output of program **Selection10.py** if the user enters lowercase b?

14. Explain *Nested Selection*.
15. Program **Selection11.py** has 2 separate **if..else** structures. One deals with College Admittance. The other deals with Financial Aid. Explain the issue with this program.
16. Refer to the previous question. Program **Selection12.py** also has 2 separate **if..else** structures. As before, one deals with College Admittance and the other deals with Financial Aid. Explain how this program fixes the issue of the previous program.
17. Can control structures affect the output of a graphics program?
18. What happens if your program uses the **numInput** command, and the user enters something that is not a number?
19. How are numbers displayed by default?
20. Write the code necessary to *right-justify* the integers **54**, **321** and **9876** with leading zeros or spaces.
21. What happens if you attempt to display a number that is too big for the **format** to handle?
22. While the **format** command can change the _____ of a number, it cannot change the _____ of a number.
23. Look at program **NumberFormat05.py**. Even though **9** is used in the format, the 8 and 9-digit numbers do not line up with the rest. Why is this?
24. Besides right justification, list 3 other ways the **format** command can “format” numeric output.
25. Refer to the previous question. Can these features be combined in the same format command?
26. What format would you use to properly display monetary (money) values under \$1000?