CSCI 150 HW: boolean practice

Due: Wednesday, February 3

To receive full credit, for each exercise you should do the following:

1. **Predict**: First, complete the exercise *without* using the Python interpreter.

2. **Check**: Run the code in a Kaggle notebook. Does the actual output agree with what you wrote down in step 1?

3. **Evaluate**: If your answer in step 1 was different than the actual output, keep experimenting with it, consult an online reference, ask a friend or TA or professor, *etc.* until you can explain why the code works the way it does *and* what your misunderstanding(s) were in part 1.

For each expression, decide whether it will evaluate to `True` or `False`.

- `False and (True or False)`
- `(True and (not (False or False))) and (False or (True or False))`
- `3 ** 2 + 4 ** 2 == 5 ** 2`
- `50 < 99 / 3`
- `((1 < 2) and ("hi" > "there")) or (99 != 9)`
- `"egg" < "excellent"`
- `"arm" < "aardvark"`
- `False != (True != (False != (False != True)))`

As usual for this semester, you should submit your work as a PDF, either by creating it on a computer in the first place or by scanning it.