Boolean Operators Practice Problems Solutions:

```python
"""

and, or, and not:
1.create a variable and set it equal to True using a statement containing an "and" Boolean operator
2.create a variable and set it equal to False using a statement containing an "and" Boolean operator
3.create a variable and set it equal to True using a statement containing an "or" Boolean operator
4.create a variable and set it equal to False using a statement containing an "or" Boolean operator
5.create a variable and set it equal to True using a statement containing an "not" Boolean operator
6.create a variable and set it equal to False using a statement containing an "not" Boolean operator

"""

# type your code for "and, or, and not" below this comment and above the one below it.
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# 1. and1 = True and True
and1 = 5 >= 5 and 7 < 8

# 2. and2 = False and True
and2 = False and 8 != 1

# 3. or1 = False or True
or1 = 7 * 7 == 48 or 7 ** 2 != 48

# 4.
or2 = False or False

# 5. not1 = not False
not1 = not 7 == 10

# 6. not2 = not True
not2 = not 5 <= 5

# -----------------------------------------------------------------------------------------------------------

"""

order of operations for Boolean operators:
1.make var1 evaluate to False by changing or removing a single Boolean operator
2.make var2 evaluate to True by changing or removing a single Boolean operator
"""

# type your code for "order of operations for Boolean operators" below this comment and above the one
below it. --------

# 1. To make this evaluate to false, change the "or" to an "and"
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```
var1 = not 3 > 1 and 5 != 2 or 6 == 6

# 2. To make this evaluate to true you can change the "and" to an "or" or remove the "not"
var2 = 4 * 2 != 6 and not 7 % 6 == 1


# ----------------------------------------------------------------------------------------------------
```