🏠 Course / Unit 1: Python Basics / 1. Introduction to Python (TIME: 1:03:12)

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**Exercise 8**

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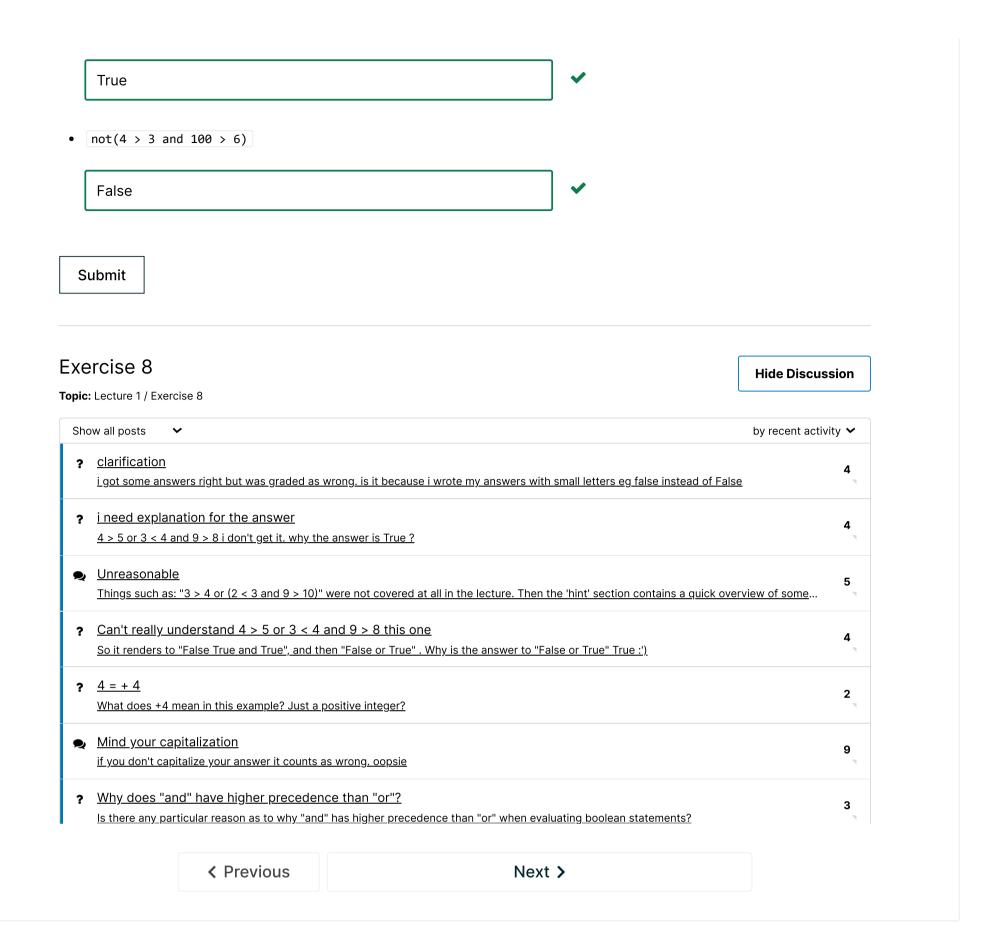
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## Exercise 8

12/12 points (graded)
**ESTIMATED TIME TO COMPLETE: 6 minutes**
**Note that you will have to answer all questions before you can click the Check button.**

For each of the following expressions, indicate the value returned, or if the evaluation would lead to an error, write the word 'error' (note this is a word, not a string, no quotes). While you could simply type these expressions into your IDE, we encourage you to answer them directly since this will help reinforce your understanding of basic Python expressions.

| |
|---|
| Hint: Python boolean types |
| Hint: Priority order of Boolean operations |

- `3 > 4`

  False ✔

- `4.0 > 3.999`

  True ✔

- `4 > 4`

  False ✔

- `4 > + 4`

  False ✔

- `2 + 2 == 4`

  True ✔

- `True or False`

  True ✔

- `False or False`

  False ✔

- `not False`

  True ✔

- `3.0 - 1.0 != 5.0 - 3.0`

  False ✔

- `3 > 4 or (2 < 3 and 9 > 10)`

  False ✔

- `4 > 5 or 3 < 4 and 9 > 8`

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```
True                                              ✓
```

- `not(4 > 3 and 100 > 6)`

```
False                                             ✓
```

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## Exercise 8

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**?** **clarification**
i got some answers right but was graded as wrong. is it because i wrote my answers with small letters eg false instead of False
**4**

**?** **i need explanation for the answer**
4 > 5 or 3 < 4 and 9 > 8 i don't get it. why the answer is True ?
**4**

**💬** **Unreasonable**
Things such as: "3 > 4 or (2 < 3 and 9 > 10)" were not covered at all in the lecture. Then the 'hint' section contains a quick overview of some...
**5**

**?** **Can't really understand 4 > 5 or 3 < 4 and 9 > 8 this one**
So it renders to "False True and True", and then "False or True" . Why is the answer to "False or True" True :')
**4**

**?** **4 = + 4**
What does +4 mean in this example? Just a positive integer?
**2**

**💬** **Mind your capitalization**
if you don't capitalize your answer it counts as wrong. oopsie
**9**

**?** **Why does "and" have higher precedence than "or"?**
Is there any particular reason as to why "and" has higher precedence than "or" when evaluating boolean statements?
**3**

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