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# Week 3

Python Basics

## Week 3

Discuss this week's modules here.

166 threads · Last post an hour ago

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## Booleans and Conditionals

In week three you will learn a new python data type - the boolean - as well as another control structure - conditional execution. Through the use of video lectures and the Runstone textbook, you will learn what Binary, Unary, Nested, and Chained Con...

⌄ More

## Boolean Expressions

✓ **Ungraded External Tool:** Single Sign On: Interactive Textbook and Practice Opportunities  1h

✓ **Reading:** Intro: What We Can Do with Turtles and Conditionals  10 min

✓ **Video:** Boolean Expressions  8 min

✓ **Reading:** Boolean Values and Boolean Expressions  10 min

✓ **Video:** Logical Operators  10 min

✓ **Reading:** Logical Operators  10 min

✓ **Video:** The in and not in Operators  3 min

✓ **Reading:** The in and not in Operators  10 min

✓ **Video:** Precedence of Operators  2 min

✓ **Reading:** Precedence of Operators  10 min

## Conditional Execution

✓ **Video:** Conditional Execution  8 min

✓ **Reading:** Conditional Execution: Binary Selection  10 min

✓ **Video:** Unary Selection, Nested Conditionals, and Chained Conditionals  16 min

✓ **Reading:** Omitting the else Clause: Unary Selection  10 min

✓ **Reading:** Nested Conditionals  10 min

✓ **Reading:** Chained Conditionals  10 min

✓ **Reading:** Make a Flow Chart before You Write Your Code  10 min

✓ **Video:** The Accumulator Pattern with Conditionals and Accumulating a Maximum Value  10 min

✓ **Reading:** The Accumulator Pattern with Conditionals  10 min

✓ **Reading:** Accumulating a Maximum Value  10 min

✓ **Graded External Tool:** Assessment: Week Three  1h

✓ **Practice Quiz:** Optional - What Did You Use to Practice This Week?  5 questions

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✓ **Reading:** Make a Flow Chart before You Write Your Code  10 min

✓ **Video:** The Accumulator Pattern with Conditionals and Accumulating a Maximum Value  10 min

✓ **Reading:** The Accumulator Pattern with Conditionals  10 min