Compound boolean expressions and practice

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CS151: Computational Thinking: Visual Media

Lecture 08, Spring 2021

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Admin

• Let's talk about extension grading on the rubric.
• Reminder: Late Project 2 due date is on Tuesday.
Project 3 overview (1/2)

• Treat one of your space scenes from Project 2 as a "compound shape": add ability to scale and position it.

• Make museum scene: includes mini versions of your space and Mondrian scenes (picture frames, view outside window, sculptures, patterns on carpet, etc.)

• Possible due to encapsulation: functions enable you to draw simple shapes, compound shapes, and your scenes independent of one another (and at any scale and position).
• Use for loops for all shapes, no repetitive code.
• Use best practices for code organization (e.g. headers, docstrings, inline comments, etc.)
• Add randomness the change aspect of compound shapes (e.g. color).
• From now on, we are putting **all** our main code inside
  ```python
  if __name__ == '__main__':
  ```
• If you have more than a few lines of main code, you really should put it inside its own function (e.g. main()) then call it from within
  ```python
  if __name__ == '__main__':
  ```
Let's find some bugs related to positional and keyword arguments
Let's do the conditional worksheet