

Review

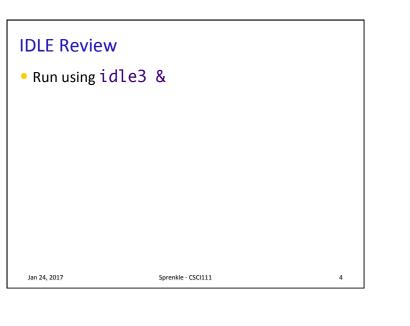
- What program do we use to develop programs?
 What is the command you execute to start it?
- What is our process for developing programs?
- How can we make our program interactive with a user?

You can install Python/IDLE on your own computers to practice between labs.

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Accommendation Get user input last – this is a fairly routine step Develop/test without getting input first Speeds up process Then, add user input

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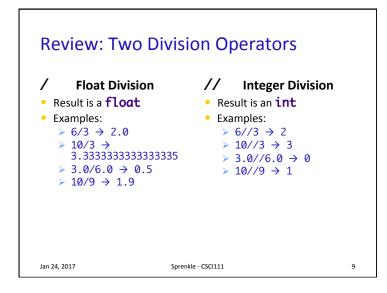
- What are the two types of division?
- How can we find the remainder of a division?
- How can we make something repeat a certain number of times?

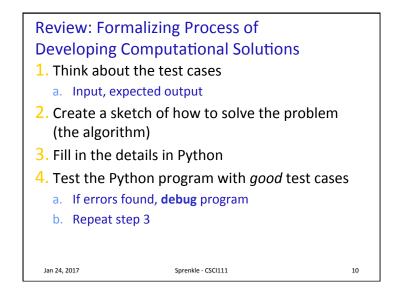
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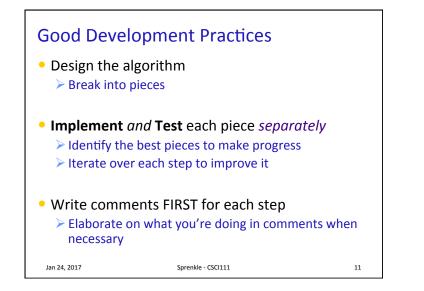
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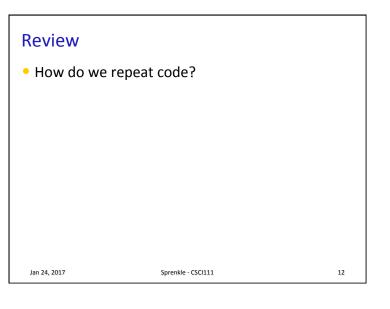
Review: Arithmetic Operations

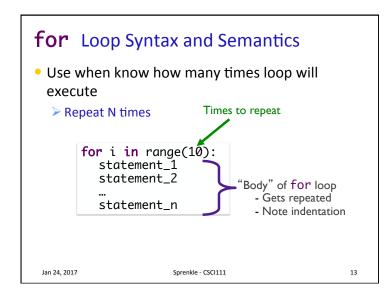
Symbol	Meaning	Associativity	
+	Addition	Left	
-	Subtraction	Left	
*	Multiplication	Left	
/	Division	Left	
%	Remainder ("mod")	Left	
**	Exponentiation (power)	Right	
Precedence rules: P E - DM% AS		Associativity matters when you have the same operation multiple times	
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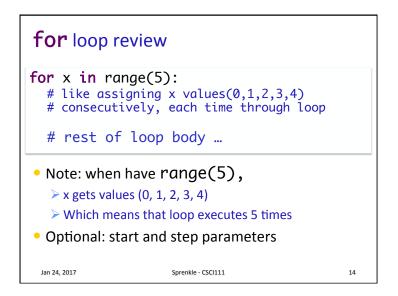


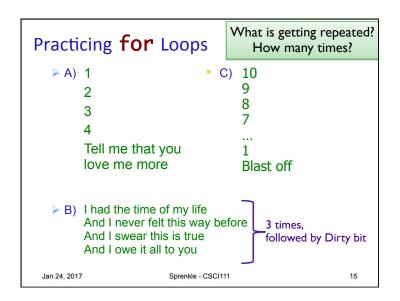


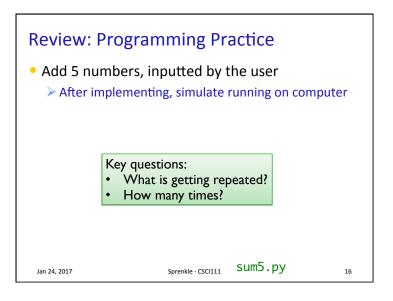




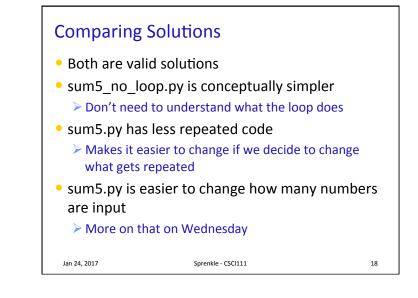


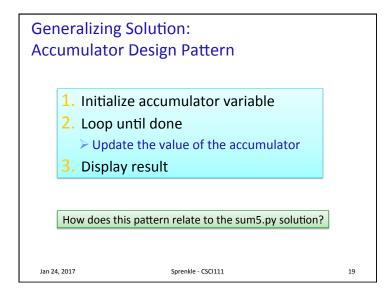


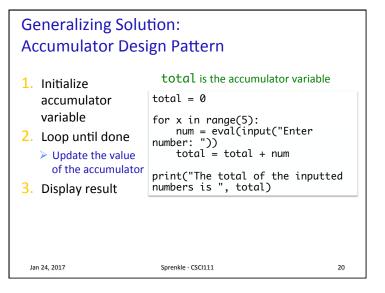


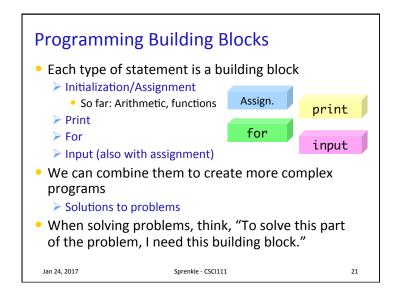


sum5.py	sum5_no_loop.py
print("This program will add up 5 numbers given by the user.")	print("This program will add up 5 numbers given by the user.")
<pre>total = 0 for x in range(5): num = eval(input("Enter number: ")) total = total + num print("The total of the inputted numbers is ", total)</pre>	<pre>num1 = eval(input("Enter number: ")) num2 = eval(input("Enter number: ")) num3 = eval(input("Enter number: ")) num5 = eval(input("Enter number: ")) total = num1 + num2 + num3 + num4 + num5 print("The total of the inputted numbers is ", total)</pre>









Honor • You may discuss programming assignments informally with other students > Sharing the **code** is an honor violation > Do **not** share your password You should know where to draw the line between legitimate outside assistance with course material and outright cheating Students who obtain too much assistance without learning the material ultimately cheat themselves If you have any uncertainty about what this means, consult with me before you collaborate All written assignments should be done individually Jan 24, 2017 Sprenkle - CSCI111 22

