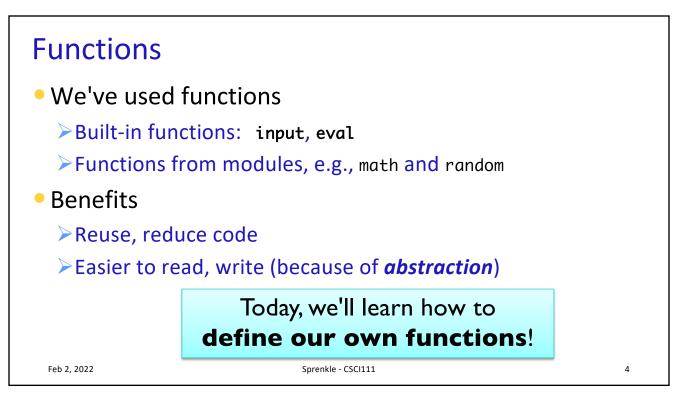
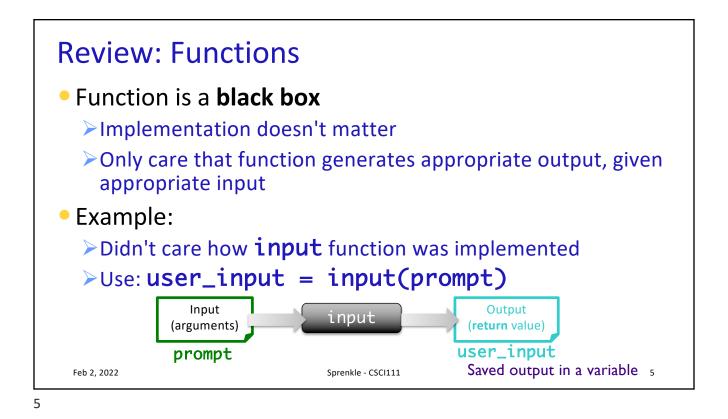
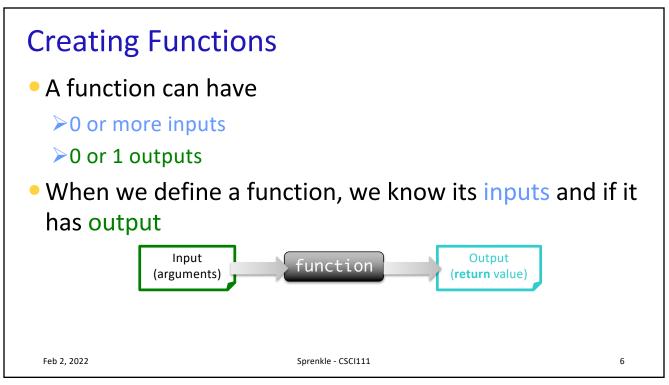
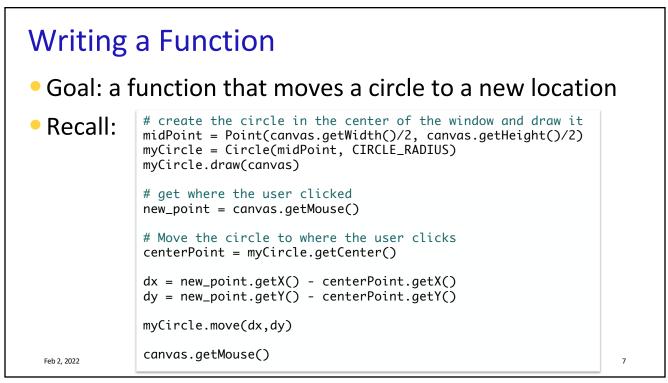


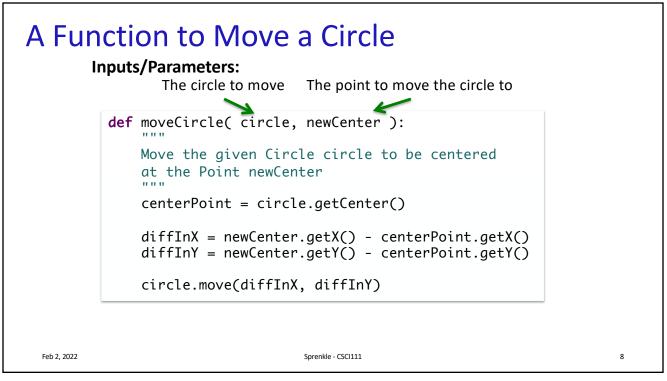
Looking behind the	curtain		
		'N FUNCTI	UNS

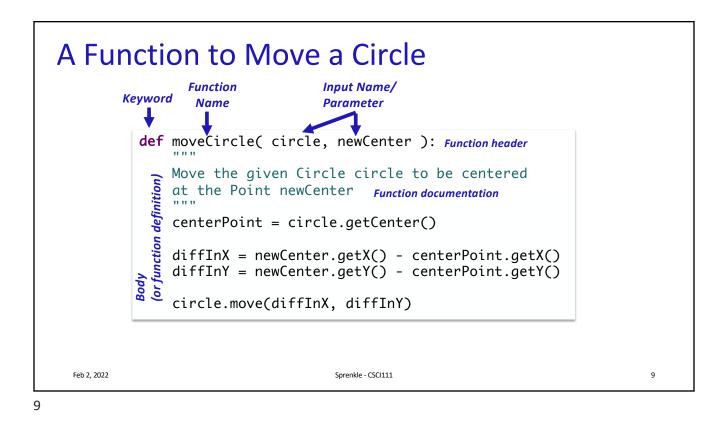


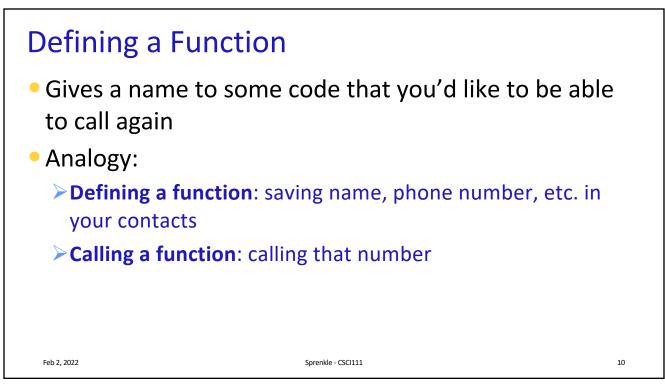


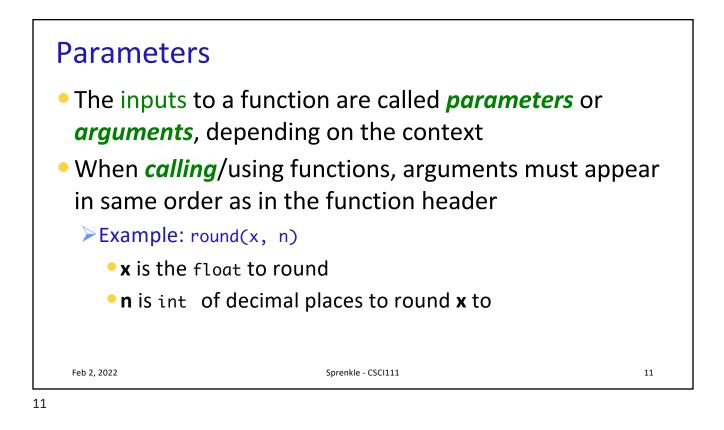


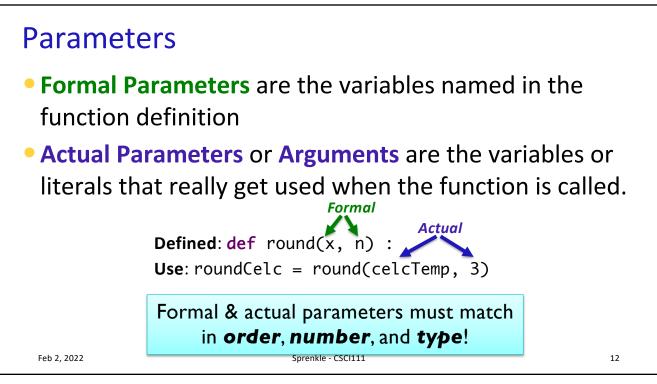




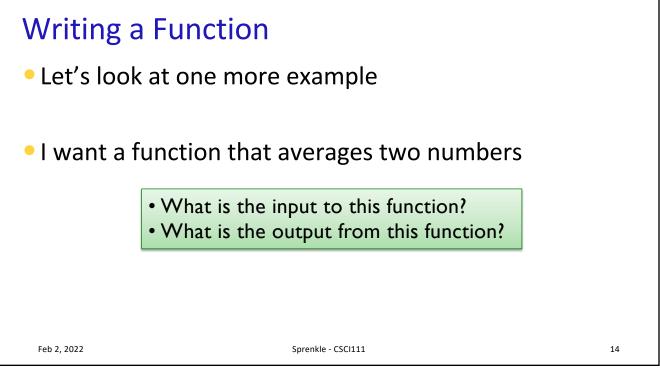


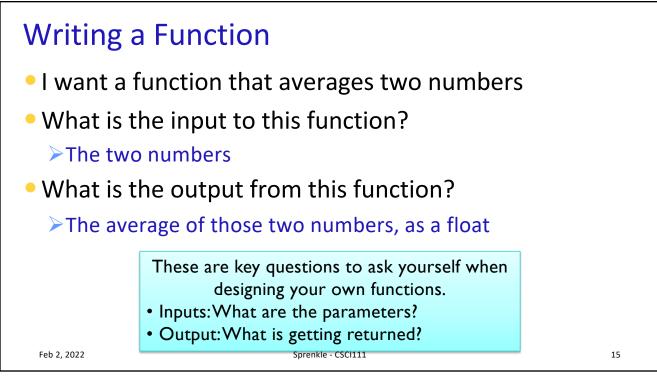


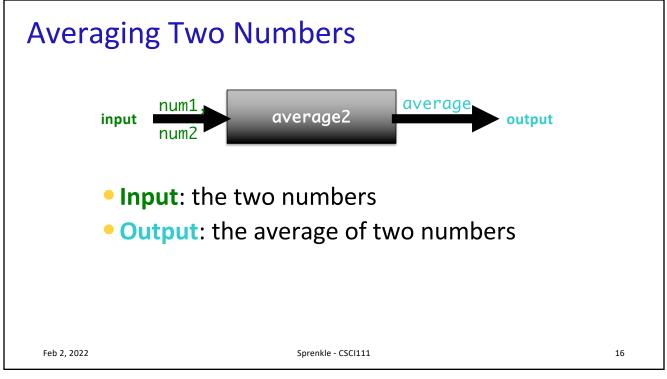


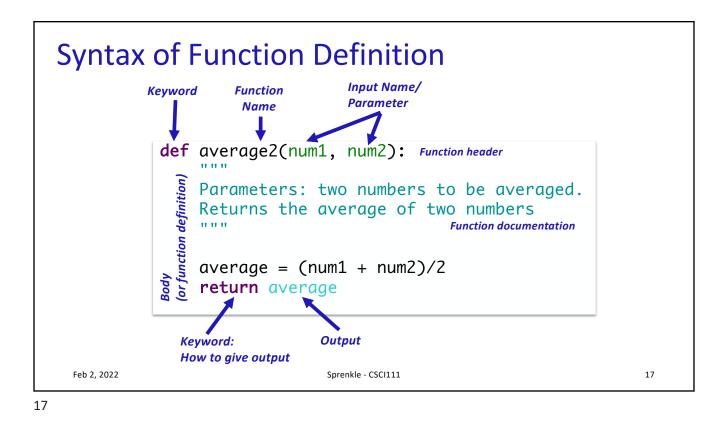


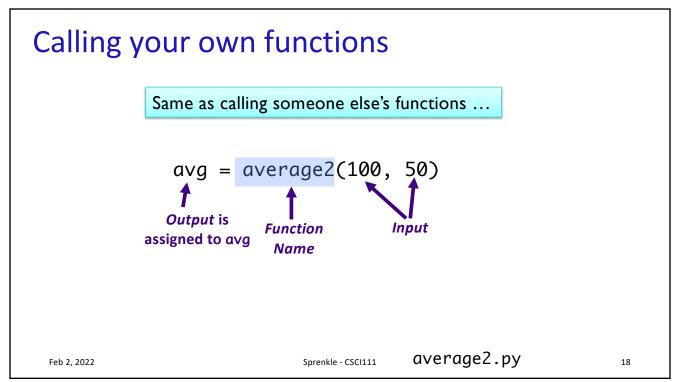
Cal	ling the Function	
	<pre># create the circle in the center of the window and draw it midPoint = Point(canvas.getWidth()/2, canvas.getHeight()/2) myCircle = Circle(midPoint, CIRCLE_RADIUS) myCircle.draw(win)</pre>	
	<pre># get where the user clicked new_point = canvas.getMouse()</pre>	
	<pre>moveCircle( myCircle, new_point )</pre>	
	The circle to move The point to move the circle to	
Same	as calling someone else's functions	
	Compare the code	
	circleShiftWithFunction.py	
Feb 2, 20	22 Sprenkle - CSCI111	13

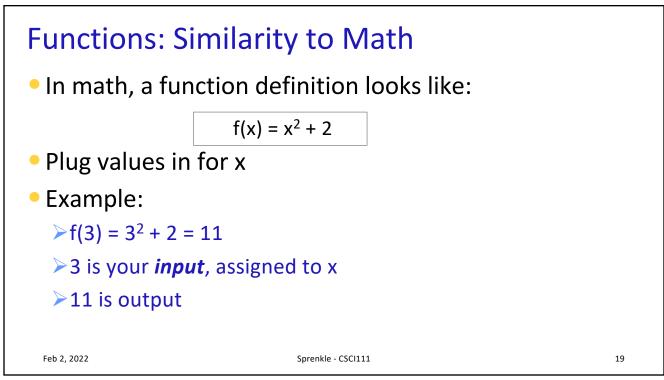


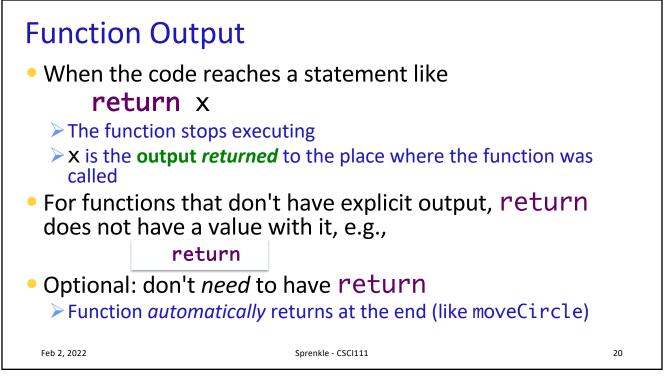


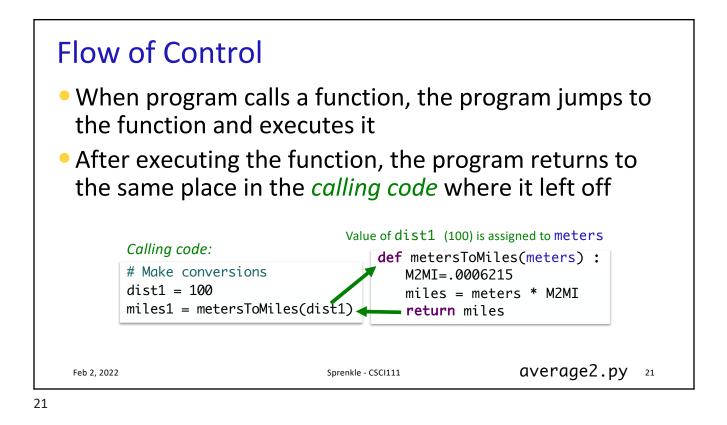


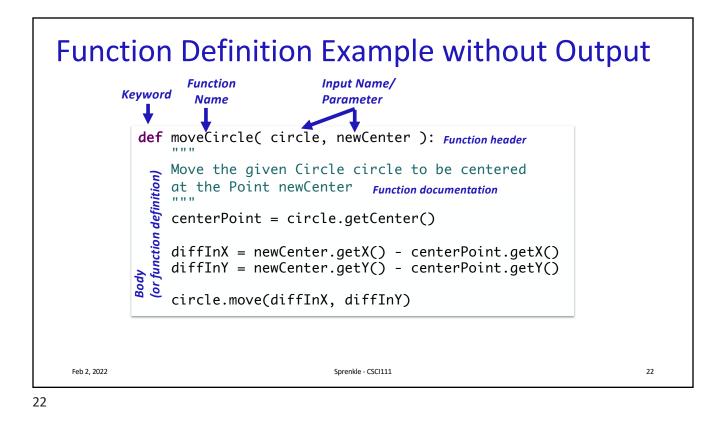


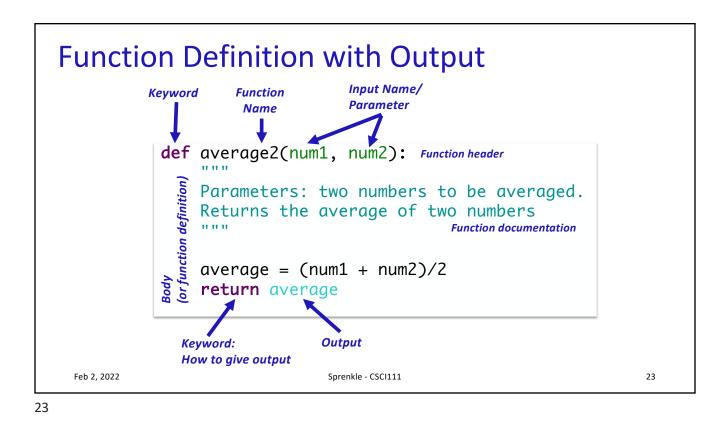


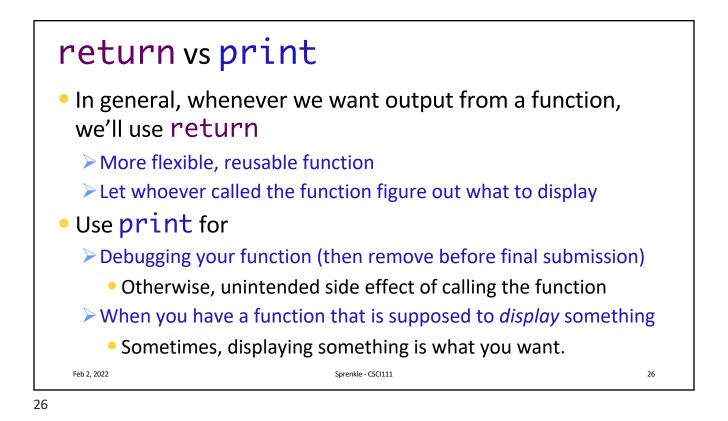


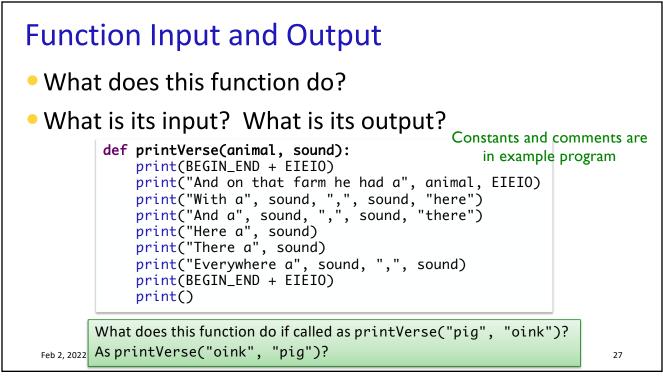


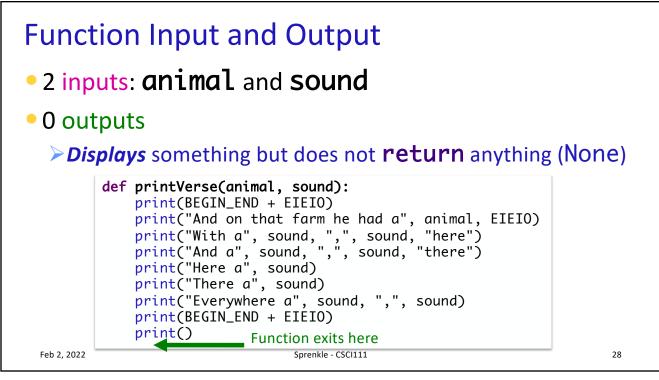


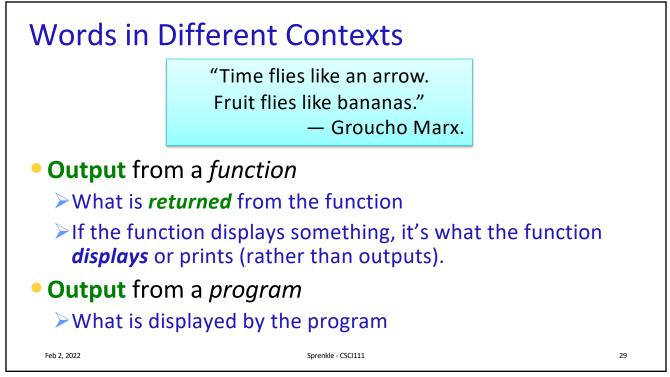




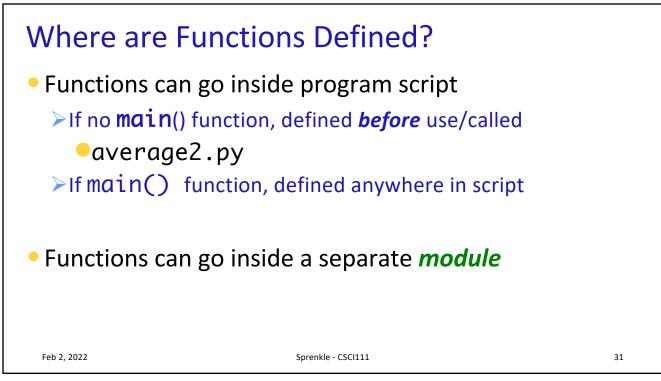




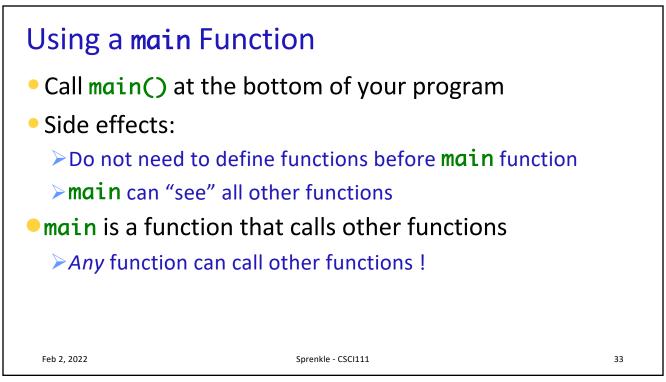


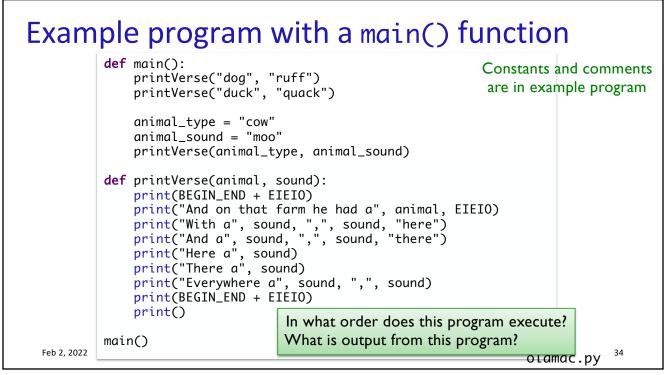


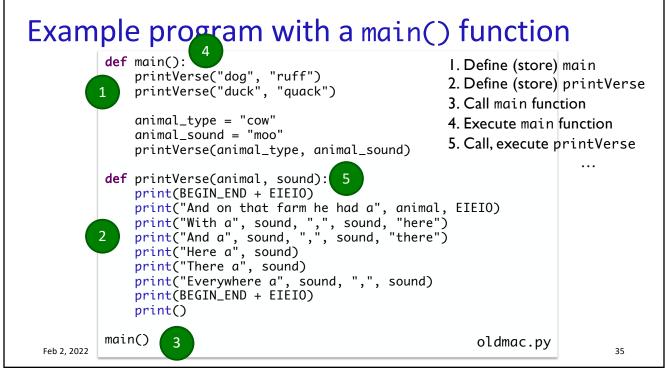
PROGRAM	ORGANIZATION	
PROGRAM	ORGANIZATION	

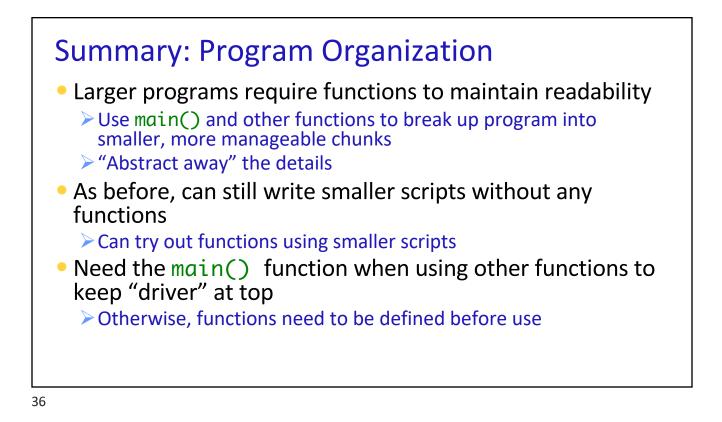


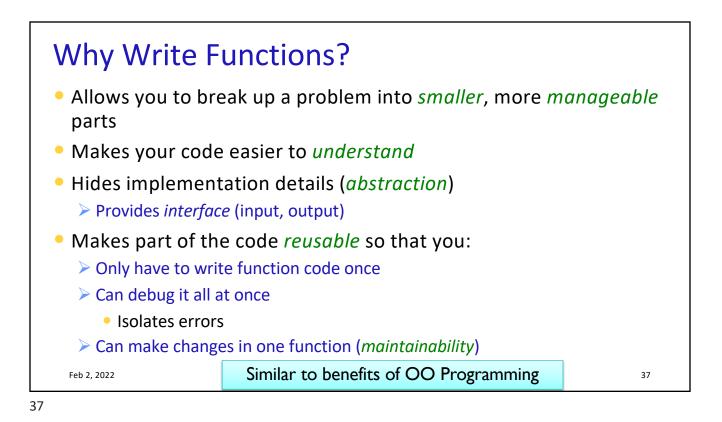
Program Organization: main function			
<ul> <li>In many languages, you put the "driver" for your program in a main function</li> </ul>			
You can (and should) do this in Python as well			
<ul> <li>Typically main functions are defined near the top of your program</li> </ul>			
Readers can quickly see an overview of what program does			
•main usually takes no arguments			
<pre>Example: def main():</pre>			
Feb 2, 2022         Sprenkle - CSCI111         32			
32			











## **VARIABLE LIFETIMES AND SCOPE**

Feb 2, 2022

Sprenkle - CSCI111

38

