

# Lab #4

## Working with Ranges of Pixels

### Responses

[Q1] For each of the following uses of range, first PREDICT what will be returned when you type this into the interactions area. Once you have made a prediction you should test your results. That is, test the command out and see if you were correct.

Command	Prediction	Actual result
print range(0,5)		
print range(3,10)		
print range(9,3)		
print range(2,10,1)		
print range(2,10,2)		
print range(2,10,3)		
print range(10,2,2)		
print range(10,2,-2)		

[Q2] Write a general statement about how the two parameter version of range works. For example, if we write “print range(x,y)” where x and y are two integers where  $x < y$ , what numbers get listed.

[Q3] Write a general statement about how the two parameter version of range works. For example, if we write “print range(x,y)” where x and y are two integers where  $x > y$ , what numbers get listed.

[Q4] Write a general statement about how the three parameter version of range works. For example, if we write “print range(a,b,c)” where a and b are two integers where  $a < b$ , what numbers get listed.

[Q5] What is printed when you run demo()?

[Q6] What is printed when you run demo2()?

[Q7] What does it look like when we run this?

[Q8] What does it look like when we run this?