Name: Partner: Python Activity 5: Value Returning Functions Cometimes, we want to reuse code blocks that calculate or recombine values!		
Learning Obje		
Students will be	e able to:	
Content:	magning and my magn of a value naturning function	
• Explain the Process:	meaning and purpose of a value returning function	
• Write code	that includes function definitions and function calls	
Prior Knowled	-	
None-return	ning functions	
	and are known as value returning functions.	
Carefully ex	Python Program def getSquare(a): square = a**2	
Carefully e:	Python Program def getSquare(a):	
Carefully e:	<pre>Python Program def getSquare(a): square = a**2</pre>	
Carefully e:	<pre>Python Program def getSquare(a): square = a**2 return square</pre>	
Carefully e:	<pre>Python Program def getSquare(a): square = a**2 return square # Main code</pre>	
	<pre>Python Program def getSquare(a): square = a**2 return square # Main code mySquare = getSquare(5) print("The square of 5 is", mySquare)</pre>	e call to get Square
	<pre>Python Program def getSquare(a): square = a**2 return square # Main code mySquare = getSquare(5)</pre>	call to getSquare.
a. Circle the lib. In a None-r	<pre>Python Program def getSquare(a): square = a**2 return square # Main code mySquare = getSquare(5) print("The square of 5 is", mySquare)</pre>	-
a. Circle the lib. In a None-r	Python Program def getSquare(a): square = a**2 return square # Main code mySquare = getSquare(5) print("The square of 5 is", mySquare) ine of code from the program that includes the function returning function, the function call is on a line by its	-

e. Circle the keyword in the function that we didn't see in previous None-returning functions.

d. What does the program do?

f. Is the function a None-returning function or a value returning function?

2. Carefully examine the code below, we'll run it as a class. def getExp(a,b): Is *getExp* a None-returning or a value returning function? return a**b Is showExp a None-returning or a value returning function? b. def showExp(a,b): What will the program print? c. print(a**b) # Main code print(getExp(2,0)) print(showExp(2,1)) d. Execute and run the program. Does your prediction in (c) match the actual output? Why? **Application Questions: Use the Python Interpreter to check your work** 1. Carefully examine and then complete the following *Python* program: The program prompts the user to enter their name. It also asks the user for a number of times to print their name: The program prints the user's name as many times as the user indicated. Try writing this twice: using a None-returning and a value returning function!