

Python User Defined Functions - Worksheet

Code	Output (write below)	Function Type (circle)
<pre>def calcTotal(num1, num2): total = num1 + num2 * 2 print(total) calcTotal(2, 4)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def calcTotal(num1, num2): total = num1 + num2 * 2 print(total) calcTotal(2, 4) calcTotal(3, 3)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def calcTotal(x): total = (x + 5) * 2 total = calcTotal(3) total = total + 3 total += 3 print(total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def calcTotal(x): total = (x + 5) * 2 return total total = calcTotal(3) total = total + 3 total += 3 print(total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out

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Code	Output (write below)	Function Type (circle)
<pre>import random die1 = random.randrange(1,7) die2 = random.randrange(1,7) print ("Dice 1 roll: ", die1) print ("Dice 2 roll: ", die2)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>text = "The quick brown fox jumps over the lazy dog." text = text.replace("fox", "dog") text = text.replace("lazy dog", "lazy fox") print (text)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def displayInfo(): print("Henry Ford College") print("5101 Evergreen Road") displayInfo() displayInfo()</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def calcNums(x,y): x = x + 2 z = x + y + x return z x = 2 y = 4 print(x,y) z = calcNums(x,y) print(z) print(x,y)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out

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Code	Output (write below)	Function Type (circle)
<pre>def calcTotal(x,y): z = x + y print(z) return z + 5 x = 1 y = 2 total = calcTotal(x, y) print(total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def calcTotal(x,y): z = x + y x = 1 y = 2 z = 0 calcTotal(x, y) print(z)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def func1(num1,num2): total = 2 + num1 + num2 return total total = func1(3,4) print("Total: ", total) total = func1(4,5) print("Total: ", total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out

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Code	Output (write below)	Function Type (circle)
<pre>def func1(): total = 5 + 3 * 2 return total def func2(): total2 = 1 + 2 * 3 return total2 total = func1() total2 = total + func2() print("Total: ", total2)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def func1(num1,num2): total = num1 - num2 print("Total: ", total) func1(3,6) func1(4,10)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def addNum(num1,num2): total = num1 + num2 return total total = addNum(4,9)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def addNum(num1,num2): total = num1 + num2 return total total = addNum(4,9) print("Total: ", total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out

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Code	Output (write below)	Function Type (circle)
<pre>def addNum(num1,num2): total = num1 + num2 return total total = addNum(4,9) total += 5 total = addNum(total,3) print("Total: ", total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def addNum(num1,num2): addtotal = num1 + num2 subNum(addtotal,3) def subNum(num1,num2): subtotal = num1 - num2 print("Total: ", subtotal) addNum(5,2)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def addNum(num1,num2): num3 = 8 addtotal = num1 + num2 + num3 total = subNum(addtotal,3) return total def subNum(num1,num2): subtotal = num1 - num2 return subtotal total = addNum(5,2) total = total + addNum(5,2) print("Total: ", total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out

<pre>def showLine2(): print("Two roads diverged in a yellow wood") showLine5() showLine5() def showLine5(): print("Row row row your boat") def showLine6(): print("Do not go gentle into that good night") showLine6() showLine5() showLine2() showLine6()</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out
<pre>def calcTotal(x): total = (x + 2) * 3 return total def calcGrandTotal(total): total = total * 3 return total total = calcTotal(2) total = calcGrandTotal(total) print(total)</pre>		No Data In, No Data Out Data In, No Data Out No Data In, Data Out Data In, Data Out