**Text

Description automatically generated with low confidenceLecture 5.1. Functions (continued)**

**Question 1.**

Diagram

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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Line  Number | Main caller | func1 | | | func2 | | | func3 | | |
| z | x1 | y1 | z1 | x2 | y2 | z2 | x3 | y3 | z3 |
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**Diagram

Description automatically generated**

**Question 2.**

**Graphical user interface, text

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| Line Number | Main caller | concat\_three\_digits | | | | | concat | | |
| num | hundreds | tens | units | first\_two | all\_three | num | digit | concatenated |
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**Diagram

Description automatically generated**

**Question 3**

**3.a. Implement** csc121\_abs **function that resembles the built-in** abs **function.**

**3.b. Replicate** abs**’s docstring**

**3.c. Also write test cases for** csc121\_abs**, covering as many different categories of inputs as you can think of.**

**Question 4**

**4.a. Implement** csc121\_help **function resembles the basic functionality of the built-in** help **function.**

***Hint: Recall the three ways to access a function’s documentation string.***

**4.b. You don’t have to write test cases for** csc121\_help**. However, try the following:**

x = help(round)

print(x)

**What gets printed, and why? How would you test or compare** help **and** csc121\_help**?**

**Question 5**

**5.a. Implement** csc121\_pow **function that resembles the built-in** pow **function.**

**5.b. Replicate** pow**’s docstring**

**5.c. Also write and test cases for** csc121\_pow**, covering as many different categories of inputs as you can think of.**