CS1201 Sec. 543 Quiz I

Answers are in RED.

Fill in the blank

1. x = [1, 3, 5, 7, 9, 11, 13]

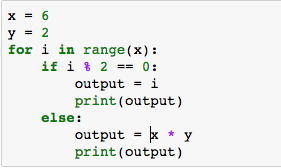
x[3] = \_\_\_7\_\_\_\_\_\_

x[-1] = \_\_\_13\_\_\_\_\_

2. list(range(\_9\_,\_26\_,\_4\_)) = [9 ,13, 17, 21, 25]

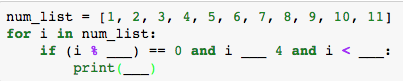
3. len(list(range(2, 10, 3) = \_\_3\_\_\_

4. Trace the following Python program.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| i | x | y | output | i%2 ==0  (True or False) |
| 2 | 6 | 2 | 2 | True |
| 3 | 6 | 2 | 12 | False |
| 4 | 6 | 2 | 4 | True |

5. Complete the following code in order to produce the outputs shown below.



The outputs are

6

8

if ( i % 2) == 0 and i > 4 and i < 9:

print(i)

Since the outputs are 6 and 8, that means the outputs are even numbers that is greater than 4 and less than 9 (or you can say less than 10).