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Homework 2

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CMSC 140

Feedback: It is possible to use a for loop for Question 2; look into the range() function more closely to see how you could count down by a certain step, rather than up. For Mastery credit, you can resubmit Q1 and Q5 to address these points.

Yes, you could use a for loop. You would multiply the number you want to count down by with  $-1$  so it would count down instead of up. Then, you would insert a 0 between the starting number and the number you want to count down by. You should also include an if statement to break the loop if the number goes below 0. Code that works for the for-loop is below.

```
for _ in range(int(startingNum), 0, -1*int(endingNum)):  
    startingNum = int(startingNum) - int(endingNum)  
    if(int(startingNum) < 0):  
        break  
    print(str(startingNum))
```