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Ex 1: Repeating code a certain number
                                     Ex 2: Another while loop
of times
num = 4
                                     num = 4
while num > 0:
                                     while num > 0:
    print('cs')
                                         print(num)
    num = num - 1
                                         num = num - 1
Ex 3: While loop w/user input
                                     Ex 4: Given addEmUp, predict the outcome of the two invocations
                                     and write the docstring below.
name = input('your name?')
                                     # accumulator (gathers stuff up inside the loop)
while name != 'beyonce':
                                     def addEmUp (number) :
     print('waiting for bey')
                                           0.00
     name = input('your name?')
                                          0.00
print('hello beyonce!')
                                          count = 0
                                          num = 1
What happens when user types Becky?
                                          while num <= number:</pre>
                                               # accumulating here
                                               count = count + num
                                               num = num + 1
                                          return count
                                      >>> addEmUp(0)
                                                                     >>> addEmUp(4)
FOR LOOPS and range
Ex 5: For loop with a list
                                     Python's built-in range function returns a range of numbers.
                                     >>> list(range(5))
for num in [2,4,6,8]:
   print (num)
                                     >>> list(range(5, 10))
                                     >>> list(range(2, 10, 3))
Ex 6: Repeating code a certain number
                                     Exs 7a&b: Stepping through each number in range
of times w/for loop
                                     for num in range (4): for num in range (4,0,-1):
for in range(5):
                                          print(num)
                                                                   print(num)
    print('cs')
```

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Ex 8: Stepping through each letter in a string

for letter in 'blue':
    print(letter)

Ex 9: Stepping through each letter in a string

for letter in 'blue'[::-1]:
    print(letter)
```