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L3 PROBLEM 5A (2/2 points)

In this problem you'll be given a chance to practice writing some for loops.

1. Convert the following code into code that uses a for loop.

```
print 2
print 4
print 6
print 8
print 10
print "Goodbye!"
```

```
1 for count in range(2, 12, 2):  
2     print count  
3 print "Goodbye!"
```

Correct

```
# There are many ways to solve this problem! Here is one:  
for count in range(11):  
    if count != 0 and count % 2 == 0:  
        print count  
print "Goodbye!"  
  
# Here is another:  
for count in range(2, 12, 2):  
    print count  
print "Goodbye!"
```

Test results

CORRECT

[See full output](#)

[See full output](#)

Check

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L3 PROBLEM 5B (2/2 points)

2. Convert the following code into code that uses a for loop.

```
print "Hello!"  
print 10  
print 8  
print 6  
print 4  
print 2
```

```
1 print "Hello!"
2 for num in range(10, 0, -2):
3     print num
```

Correct

```
# There are always many ways to solve a programming problem. Here is one:
print "Hello!"
for num in range(0, 10, 2):
    print 10 - num

# Here is another:
print "Hello!"
for num in range(10, 0, -2):
    print num
```

Test results

CORRECT

See full output

See full output

Check

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L3 PROBLEM 5C (3/3 points)

3. Write a for loop that sums the values 1 through `end`, inclusive. `end` is a variable that we define for you. So, for example, if we define `end` to be 6, your code should print out the result:

21

which is $1 + 2 + 3 + 4 + 5 + 6$.

For problems such as these, do not include `raw_input` statements or define the variable `end`. Our automating testing will provide a value of `end` for you - so write your code in the following box assuming `end` is already defined.

Hint: Don't Use A Variable Called 'sum'

Help

```
1 total = end
2 for next in range(end):
3     total += next
4 print total
```

Correct

```
# Here is one of a few ways to solve this problem:
total = 0
for next in range(1, end+1):
    total += next
print total

# Here is another:
total = end
for next in range(end):
    total += next
print total
```

Test results

CORRECT

[See full output](#)

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