

## Congratulations! You passed!

TO PASS 80% or higher



GRADE 100%

## **Module 3 Graded Assessment**

LATEST SUBMISSION GRADE

1 2 3 4 5 6 7

100%

1. Fill in the blanks of this code to print out the numbers 1 through 7.

while number <= 7:
 print(number, end=" ")</pre>

number += 1



Run



The show\_letters function should print out each letter of a word on a separate line. Fill in the blanks to make that happen. 1/1 point

```
1 def show_letters(word):
2 | for letter in word:
3 | print(letter)
4
5 show_letters("Hello")
6 # Should print one line per letter

H
e
e
l
l
o
```



Complete the function digits(n) that returns how many digits the number has. For example: 25 has 2 digits and 144 has 3 digits. Tip: you can figure out the digits of a number by dividing it by 10 once per digit until there are no digits left. 1/1 point

✓ Correct

Woohoo! You've cracked the code of writing code!

4. This function prints out a multiplication table (where each number is the result of multiplying the first number of its row by the number at the top of its column). Fill in the blanks so that calling multiplication\_table(1, 3) will print out: 1 / 1 point

369



Awesome! You've stepped up to the challenge of one of the more complex coding practices, nested loops!

5. The counter function counts down from start to stop when start is bigger than stop, and counts up from start to stop otherwise. Fill in the blanks to make this work correctly.

1 / 1 point

```
def counter(start, stop):
                x = start
                if start > stop:
                     return_string = "Counting down: "
while x >= stop:
                           return_string += str(x)
                           if x > stop:
                           return_string += ","
    8
    10
    11
                     return_string = "Counting up: "
                     while x <= stop:
   12
    13
                           return_string += str(x)
    14
                           if x < stop:</pre>
                          return_string += ","
x += 1
   15
   16
    17
                return return_string
   18
          print(counter(1, 10)) # Should be "Counting up: 1,2,3,4,5,6,7,8,9
print(counter(2, 1)) # Should be "Counting down: 2,1"
print(counter(5, 5)) # Should be "Counting up: 5"
Reset
   19
   20
Counting up: 1,2,3,4,5,6,7,8,9,10
Counting down: 2,1
Counting up: 5
```

✓ Correct

You nailed it! You've figured out all of the situations that need to be considered!

The even\_numbers function returns a space-separated string of all positive numbers that are divisible by 2, up
to and including the maximum that's passed into the function. For example, even\_numbers(6) returns "2 4 6".
Fill in the blank to make this work.

1/1 point

7. The following code raises an error when executed. What's the reason for the error?

Woohoo! You remembered all of the elements of the range of

the for-loop, well done!

1 / 1 point

```
1 def decade_counter():
```

