Write the code to produce the output OR
Predict the output for the given code.

	Output	Code
1	The numbers 1 to 10, each number on its own line.	
| 2 | | ```python
counter = 20
while counter > 4 :
    print(counter - 4)
    counter -= 2
``` |
| 3 | | ```python
counter = 1
while counter < 5 :
    print(str(counter) * counter)
    counter = counter + 1
``` |
| 4 | 4444
333
22
1 | |

```python
"""  I am a comment.
A program to ask the user for a lower and upper limit.
The program then counts UP from the lower to the upper,
and DOWN from upper to lower.
"""

lowerLimit = int(input("Please enter your lower limit : \t"))
```

What line of code is behind me?

```python
#Use a while loop to ensure valid inputs from the user.
while lowerLimit >= upperLimit :
    print("The limits are mixed up. Try again.\n")
```

What lines of code could be behind me?

```python
print("Lower Limit : ", lowerLimit, " and counting up. ")
```

What line of code is behind me?

```python
while (counter <= upperLimit) :
    print("\t", counter)
    counter = counter + 1

print("Upper Limit : ", upperLimit, " and counting down. ")
counter = upperLimit
```

What line of code is behind me?

```python
    print("\t", counter)
    counter = counter - 1
```

Some reflection thoughts

What were the main challenges in predicting logically correct lines of code? **(LOs 1.4 and 2.20)**

Think about some of your first attempts at developing the code. **(LOs 1.22 and 1.23)**

The lesson on while loops shows the original lines of code that are hidden above in both tasks. Were your suggestions or algorithms different in any wray? **(LOs 1.4 to 1.7)**

<u>NOTES to YOURSELF</u>