The time has come to get comfortable with nested for loops. Open a new file with the usual comments at the top, then save it as `nested.py` on your `csfile2` class folder.

Predict the output of this code. Then check yourself by entering and running it.

```
counter = 0
for j in range(1,5):
  for k in range(1,4):
    counter = counter + 1
print counter
```

Predict the output of this code. Then check yourself by entering and running it.

```
counter = 0
for j in range(1,5):
  for k in range(1,4):
    counter = counter + 1
    print counter,
```

Predict the output of this code. Then check yourself by entering and running it.

```
counter = 0
for j in range(1,5):
  for k in range(1,4):
    counter = counter + 1
  print counter,
```

Let's get in the mood for a North Country winter by printing asterisks on our screen. Create a simple for loop that prints ten asterisks in a row. (Only a single ∗ should appear in your code!)

∗ ∗ ∗ ∗ ∗ ∗ ∗ ∗ ∗ ∗

Modify your program so that it draws five rows, each with ten asterisks.

* * * * * * * * * *

* * * * * * * * * *

* * * * * * * * * *

* * * * * * * * * *

* * * * * * * * * *

More interesting still, make a triangle of asterisks. Make ten rows in all.

```
*
* *
* * *
* * * *
* * * * *
```

Can you arrange for the first row to have
three asterisks? (Make ten rows, as before.)

```
*  *  *
*  *  *  *
*  *  *  *  *
*  *  *  *  *  *
*  *  *  *  *  *  *
```