

Forum:[Hack Forums](#)

Thread: [Nested Loops](#)

Will Patterson - October 13, 2017, 6:31 am

I'm trying to get rid of the top row and the row all the way to the left (The numbers highlighted) so it just shows the multiplication table.

```
1 2 3 4 5 6 7 8 9
1 1 2 3 4 5 6 7 8 9
2 2 4 6 8 10 12 14 16 18
3 3 6 9 12 15 18 21 24 27
4 4 8 12 16 20 24 28 32 36
5 5 10 15 20 25 30 35 40 45
6 6 12 18 24 30 36 42 48 54
7 7 14 21 28 35 42 49 56 63
8 8 16 24 32 40 48 56 64 72
9 9 18 27 36 45 54 63 72 81
```

The code that is currently showing the table like that is:

Code for row in range(0, 10):

```
for col in range(0, 10):
    num = row * col
    if num < 10:
        empty = " "
    else:
        if num < 100:
            empty = " "
        if col == 0:
            if row == 0:
                print(" ", end = " ")
            else:
                print(" ", row, end=" ")
        elif row == 0:
            print(" ", col, end=" ")
        else:
            print(empty, num, end = " ")
    print()
```

And finally, would this be considered a "nested loop"?

vorticalbox - October 13, 2017, 7:14 am

PHP Code

```
<?php
for i in range(1,10):
    for ii in range(1,10):
        print('{:4.0f}'.format(i * ii), end=" ")
    print("")
```

output

PHP Code

```
<?php
```

```
1 2 3 4 5 6 7 8 9
  2 4 6 8 10 12 14 16 18
  3 6 9 12 15 18 21 24 27
  4 8 12 16 20 24 28 32 36
  5 10 15 20 25 30 35 40 45
  6 12 18 24 30 36 42 48 54
  7 14 21 28 35 42 49 56 63
  8 16 24 32 40 48 56 64 72
  9 18 27 36 45 54 63 72 81
```

Will Patterson - *October 13, 2017, 7:29 am*

(Oct 13, 2017 07:14 AM)vorticalbox Wrote: [\[CITE\]](#) PHP Code

```
<?php
```

```
for i in range(1,10):
    for ii in range(1,10):
        print('{:4.0f}'.format(i * ii), end=" ")
    print("")
```

output

PHP Code

```
<?php
```

```
1 2 3 4 5 6 7 8 9
  2 4 6 8 10 12 14 16 18
  3 6 9 12 15 18 21 24 27
  4 8 12 16 20 24 28 32 36
  5 10 15 20 25 30 35 40 45
  6 12 18 24 30 36 42 48 54
  7 14 21 28 35 42 49 56 63
  8 16 24 32 40 48 56 64 72
  9 18 27 36 45 54 63 72 81
```

Is that considered a nested loop?

TheMarkMan - *October 13, 2017, 7:35 am*

(Oct 13, 2017 07:29 AM)Will Patterson Wrote: [\[CITE\]](#) Is that considered a nested loop?

Yes, it is a nested loop. You can tell because it is a loop (nested) inside of another loop.