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Thread: [Recursive Functions Alternatives?](#)

TerribleTy27 - December 6, 2018, 5:23 pm

```
Code def examplefunction1(n)
    print "You have " + str(n) + " tiny numbers!"
```

```
def examplefunction2()
    random = random.random()
    if random < 2:
        return random
    else:
        examplefunction2
```

```
examplefunction1(examplefunction2())
```

Recently started learning Python, and I'm having a bit of confusion over so called recursive functions.

Basically, if I had a recursive function, would it send the return back to its original caller? If not, what can I do to replace that?

Uhh, is anyone there?

Anyone?

vorticalbox - December 7, 2018, 6:56 am

PHP Code

```
<?php
from random import randint
def examplefunction1(n):
    print("You have " + str(n) + " tiny numbers!")
```

```
def examplefunction2():
    random = randint(0,10)
    print(random)
    if random < 2:
        return random
    else:
        return examplefunction2()
examplefunction1(examplefunction2())
```

Your code wouldn't actually work and I added a print statement so you can it rolling numbers

output example

PHP Code

```
<?php
```

3
9
10
1

You have 1 tiny numbers!

when the number is more than 2 is returns the function call again and again until it is less than two in which case all the returns trigger and you get your result.

Your other options are to use loops.

PHP Code

```
<?php
from random import randint
def examplefunction1(n):
    print("You have " + str(n) + " tiny numbers!")
```

```
def examplefunction2():
    random = randint(0,10)
    while(random >2):
        random = randint(0,10)
    print(random)
    return random
```

```
examplefunction1(examplefunction2())
```