

Practice for Recursion (Part 2)

```
def fun(n):  
    if n <= 1:  
        return 0  
    else:  
        return 1 + fun(n/2)
```

fun(16)

O/P: 4

What does this function do in general for $n \geq 1$?

floor value of $\log_2 n$

```
def fun(n):  
    if n == 0:  
        return
```

fun(n/2)

print(n%2)

fun(13)

O/P: 1

1

0

1