**def** fac(n):  
 **if** n == 1:  
 **return** 1 # base case  
 **else**:  
 **return** n \* fac(n-1)  
  
print(fac(4)) # 24

**def** fib(n):  
 **if** n == 1: # base case 1  
 **return** 1  
 **elif** n == 0:  
 **return** 0 # base case 2  
 **else**:  
 **return** fib(n-1) + fib(n-2)  
  
print(fib(4)) # 3