import time

def performance(unit):

def perf\_decorator(f):

def wrapper(\*args, \*\*kw):

t1 = time.time()

r = f(\*args, \*\*kw)

t2 = time.time()

t = (t2 - t1) \* 1000 if unit=='ms' else (t2 - t1)

print 'call %s() in %f %s' % (f.\_\_name\_\_, t, unit)

return r

return wrapper

return perf\_decorator

@performance('ms')

def factorial(n):

return reduce(lambda x,y: x\*y, range(1, n+1))

print factorial(10)