CSC148 - Python recap: Functions and Parameters

1. For each code snippet, draw the memory model diagram for the end of the code, and write the program’s output. If the code generates an error, explain.

# Part (a)
def f1(thing):
    thing = thing + ['x', 1]

if __name__ == '__main__':
    phone = [9]
    f1(phone)
    print(phone)

# Part (b)
def f2(thing):
    thing.extend(['x', 1])

if __name__ == '__main__':
    phone = [9]
    f2(phone)
    print(phone)

Questions continue on the back...
# Part (c)
def a1(n):
    n = n + 1
    return n * 2

if __name__ == '__main__':
    n = 100
    print(a1(n))
    print(n)