

If you received less than **Complete** on homework #4 (Function Stack and Tracing), your assessed homework has directions to follow to improve your assessment. If you are asked to work problems from the redo assignment, those are below:

You may receive assistance from any source, including me, the CS tutors, each other, or anything else you find helpful. (This does mean that it is *legal* to simply copy another student's work, though you may not find that helpful in getting ready for Exam #2)

**Please turn in your original attempt along with the corrected problems and new solutions.**

1.

```
def fun1(x: int, y: int) -> float:
    z = x / y
    return x + z

def fun2(x: int) -> float:
    if x < 0:
        return fun1(3,x)
    elif x == 0:
        return fun1(5,6)
    else:
        return fun1(x,x) + fun1(x,2)

def main1():
    print(fun2(-3))
    print(fun2(7))

main1()
```

2.

```
def main2():
    i = 0
    j = 0
    k = 0
    while i < 5:
        k = k // 2

        while k < i:
            k += 1
            j += k

        i += 1

main2()
```