fullName:________________________ andrewID:_________________ section:___

15-112 N25
Quiz5 Part 1 of 2

This is the paper version of **Part 1** of **Quiz5**. This contains 2 CTs. You **must write your name and your answers on this paper and hand this back** in immediately after Part 1. You cannot answer Part 1 on the computer.

You must hand this back before you may begin Part 2. If we do not receive it immediately, you will receive a zero on the assessment.

Quiz5 Part 2 is located in section 8.12 of CS Academy (the end of Unit 8), and contains only the FRs. If you require a paper copy of Part 2, please let your proctor know.

During the quiz, as always, you may not view any other notes, prior work, websites or resources, including any form of AI. You may not communicate with anyone else except for TAs or faculty during the assessment. All syllabus policies apply.

Some students will take this at a different time with testing accommodations. As such, you may not discuss this test with anyone else, even
briefly, in any form, until we have released grades. Failure to abide by these rules may result in an academic integrity violation.

Do not open this or look inside (even briefly) before we instruct you to begin. Close it once you are done.

If you do not hand this in immediately when instructed, you will receive a zero on quiz5.

Part 1[20pts total]: Code Tracing

CT1[10 pts]:

Indicate what the following code prints. Place your answer (and nothing else) in the box below.

```
def ct(n):
    if (n < 10):
        return n
    else:
        return 10*ct(n//100) + n%10

print(ct(53124))
```

CT2[10 pts]:

Indicate what the following code prints. Place your answer (and nothing else) in the box below.

```
def ct(L):
    if L == [ ]:
        return ['yes']
    elif sum(L) >= L[0]:
        return ['no']
    else:
        return [L[-1]] + ct(L[1:-1]) + [L[0]]

print(ct([7,-4,-3, 2]))
```

(The FRs will be given separately in Part 2)