

QUESTION 1:

```
My id: 2
My id: 1
My id: 2
My id: 3
My id: 1
My id: 2
My id: 3
My id: 1
My id: 3
My id: 2
My id: 2
My id: 1
My id: 3
My id: 3
My id: 1
My id: 2
My id: 3
123
Total sequences generated: 658
Number of correct sequences: 10
PS C:\Users\ewf08\OneDrive\Desktop\450 Projects\Assignment3> █
```

This was pretty straight forward you just have 2 structs one for the shared variables and one for the independent ones. This wasn't too bad to do and is extremely funny when it just keeps going and doesn't get to 10 this one went for about 5 minutes before it finally hit

QUESTION 2:

Only thing im iffy on is the fact that the numbers are mixing but im not sure if you wanted that i was a little confused about that but I think its okay. This is just an exact copy of 1 but with a different function doing 456

```
My id: 2
My id: 1
My id: 4
My id: 5
My id: 3
My id: 6
456
My id: 2
My id: 4
My id: 1
My id: 3
My id: 5
My id: 2
My id: 6
456
Team 2 wins
Total sequences generated team1: 12
Number of correct sequences team1: 9
Total sequences generated team2: 12
Number of correct sequences team2: 10
PS C:\Users\ewf08\OneDrive\Desktop\450 Projects\Assignment3> □
```

QUESTION 3:

This was pretty fun too. At first I got stuck on 0 total 0 for some reason and realized its because i didnt have the %10 so I just reset the counter back to 0 after every loop. Once I did the %10 it worked like a charm

```
My num: 5, total: 915
My num: 6, total: 921
My num: 7, total: 928
My num: 8, total: 936
My num: 9, total: 945
My num: 0, total: 945
My num: 1, total: 946
My num: 2, total: 948
My num: 3, total: 951
My num: 4, total: 955
My num: 5, total: 960
My num: 6, total: 966
My num: 7, total: 973
My num: 8, total: 981
My num: 9, total: 990
Total: 990
PS C:\Users\ewf08\OneDrive\Desktop\450 Projects\Assignment3>
```

QUESTION 4:

```
Count is now (dec fn): 10
Count is now (dec fn): 9
Count is now (dec fn): 8
Count is now (dec fn): 7
Count is now (dec fn): 6
Count is now (dec fn): 5
Count is now (dec fn): 4
Count is now (dec fn): 3
Count is now (dec fn): 2
Count is now (dec fn): 1
Count is now (inc fn): 0
Count is now (inc fn): 1
Count is now (inc fn): 2
Count is now (inc fn): 3
Count is now (inc fn): 4
Count is now (inc fn): 5
Count is now (dec fn): 6
PS C:\Users\ewf08\OneDrive\Desktop\450 Projects\Assignment3> .\question4_ETHAN.exe | python .\A3pingpong_test.py
Testing output...
Total increments (should be 3x10): 30
Total decrements (should be 2x10): 21
Error: you should have 20 decrements in total printed
Total errors detected: 1
PS C:\Users\ewf08\OneDrive\Desktop\450 Projects\Assignment3>
```

For this i tried everything putting multiple checks in different places and changing how far the total goes to on each function and it just didnt work

I couldn't get it to go back up to 10 and i dont know where i went wrong I did the test after every time and some times it was 25 25 28 23 it just wouldnt work for me