This is my transpose code including Computed includes so I just have to use this one transpose Code rather than making two separate c files.

Below is first the Dynamic code output and then the Static code outputs before I changed them to be integers

```
swyman2501@Knightys-Castle:
                                                  $ ./Output_dynamic
Matrix a:
  1.000 2.000
  3.000 4.000
Matrix b:
  1.000 2.000
  3.000 4.000
  2.000
        4.000
  6.000 8.000
transposed a:
        3.000
  2.000 4.000
transposed b:
  1.000
         3.000
  2.000 4.000
```

```
wyman2501@Knightys-Castle:
                                                       $ ./Output_static
Matrix a:
         2.000
 1.000
 3.000
          4.000
Matrix b:
  1.000
          2.000
 3.000
         4.000
a+b:
          4.000
  2.000
 6.000
transposed a:
          3.000
 1.000
          4.000
  2.000
transposed b:
          3.000
4.000
  1.000
 2.000
```

Now here is what I did to change the dataset into ints

```
8 #define FORMAT2 "%8d"
9 typedef int T;
```

I also changed the code in the print function to use FORMAT2 which I based off of FORMAT Below is the outputs of the now changed Output_dynamic and Output_static codes

Finally, below will be what I did for the Makefile

```
1
2 all: Output_static Output_dynamic
3
4 Output_static: matrix_static.c tandc.c test_static.c matrix_static.h
5 gcc $* -D SYSTEM_2 -o Output_static
6
7 Output_dynamic: matrix_dynamic.c tandc.c test_dynamic.c matrix_dynamic.h
8 gcc $* -D SYSTEM_1 -o Output_dynamic
9
10 clean:
11   -rm Output_static
12   -rm Output_dynamic
```

This was actually my first time using computed includes so it was very interesting!