ASSIGNMENT 11

1. No pointers

CODE SNIPPET

```
// and function calls correspondingly to scan occurences1 \&\ 2 printf("Enter first word: ");
printf("Enter second word: ");
    printf("The words are anagrams.\n");
    printf("The words are not anagrams.\n");
```

SAMPLE OUTPUTS

Anagram:

PS C:\Users\RIAN\Desktop\CMSC21\Lecture11\Assignments>
Enter first word: Salient
Enter second word: tenisla
The words are anagrams.

Enter first word: smartest
Enter second word: mattress

Not Anagrams:

The words are anagrams.

PS C:\Users\RIAN\Desktop\CMSC21>
Enter first word: Dumbest
Enter second word: stumble
The words are not anagrams.

Enter first word: salient
Enter second word: silent
The words are not anagrams.

Anagram & Not Anagram:

PS C:\Users\RIAN\Desktop\CMSC21\L Enter first word: sILENT Enter second word: 1ISTEN The words are anagrams.

Enter first word: anagram Enter second word: grahams The words are not anagrams.

```
#include <stdbool.h>
            if (*(occurrences1 + i) != *(occurrences2 + i)){
       return true;
  void scan_word(int* occurrences){
       for (c = getchar(); c != '\n'; c = getchar()){
    // checks if it is a character or not
    (*(occurrences + (toupper(c) - 'A')))+=1;
// uses toupper to not make it case sensitive and subtract 'A' to get index
31 int main(){
            scan_word(occurrences1);
           scan_word(occurrences2);
           same = is_anagram(occurrences1,occurrences2); // stores the function
                 printf("The words are anagrams.\n");
                 printf("The words are not anagrams.\n");
```

SAMPLE OUTPUTS

Anagram:

PS C:\Users\RIAN\Desktop\CMSC21\ Enter first word: smARTEST Enter second word: MATTRESS The words are anagrams.

Enter first word: race Enter second word: care The words are anagrams.

Not Anagram:

PS C:\Users\RIAN\Desktop\CMSC21\Le Enter first word: race Enter second word: HIDE The words are not anagrams.

Enter first word: league Enter second word: fish The words are not anagrams.

Anagram & Not Anagram:

PS C:\Users\RIAN\Desktop\CMSC21\

Enter first word: hEART Enter second word: EArth The words are anagrams.

Enter first word: scare Enter second word: pleasE The words are not anagrams.