main.c

Share Run

```c
//DAY 47
//Q93
#include <stdio.h>
#include <string.h>
int isAnagram(char *str1, char *str2) {
    int freq1[256] = {0}, freq2[256] = {0};
    int i;

    if (strlen(str1) != strlen(str2)) {
        return 0;
    }
    for (i = 0; str1[i] != '\0'; i++) {
        freq1[(unsigned char)str1[i]]++;
    }
    for (i = 0; str2[i] != '\0'; i++) {
        freq2[(unsigned char)str2[i]]++;
    }
    for (i = 0; i < 256; i++) {
        if (freq1[i] != freq2[i]) {
            return 0;
        }
    }
    return 1;
}
int main() {
    char str1[100], str2[100];
    printf("Enter first string: ");
    fgets(str1, sizeof(str1), stdin);
    printf("Enter second string: ");
    fgets(str2, sizeof(str2), stdin);

    str1[strcspn(str1, "\n")] = '\0';
    str2[strcspn(str2, "\n")] = '\0';

    if (isAnagram(str1, str2)) {
        printf("The strings are anagrams.\n");
    } else {
```

Output

```
Enter first string: listen
Enter second string: silent
The strings are anagrams.


=== Code Execution Successful ===
```

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```c
//DAY 47
//Q94
#include <stdio.h>
int main() {
    char str[100], longest[100], word[100];
    int i = 0, j = 0, maxLen = 0, wordLen = 0;
    printf("Enter a sentence: ");
    fgets(str, sizeof(str), stdin);

    while (str[i] != '\0') {
        if (str[i] != ' ' && str[i] != '\n') {
            word[j++] = str[i];
            wordLen++;
        } else {
            word[j] = '\0';

            if (wordLen > maxLen) {
                maxLen = wordLen;
                int k;
                for (k = 0; k <= wordLen; k++) {
                    longest[k] = word[k];
                }
            }
            j = 0;
            wordLen = 0;
        }
        i++;
    }
    if (wordLen > maxLen) {
        maxLen = wordLen;
        int k;
        for (k = 0; k <= wordLen; k++) {
            longest[k] = word[k];
        }
    }
    printf("Longest word: %s\n", longest);
    return 0;
```

Output

```
Enter a sentence: I love Programming
Longest word: Programming


=== Code Execution Successful ===
```