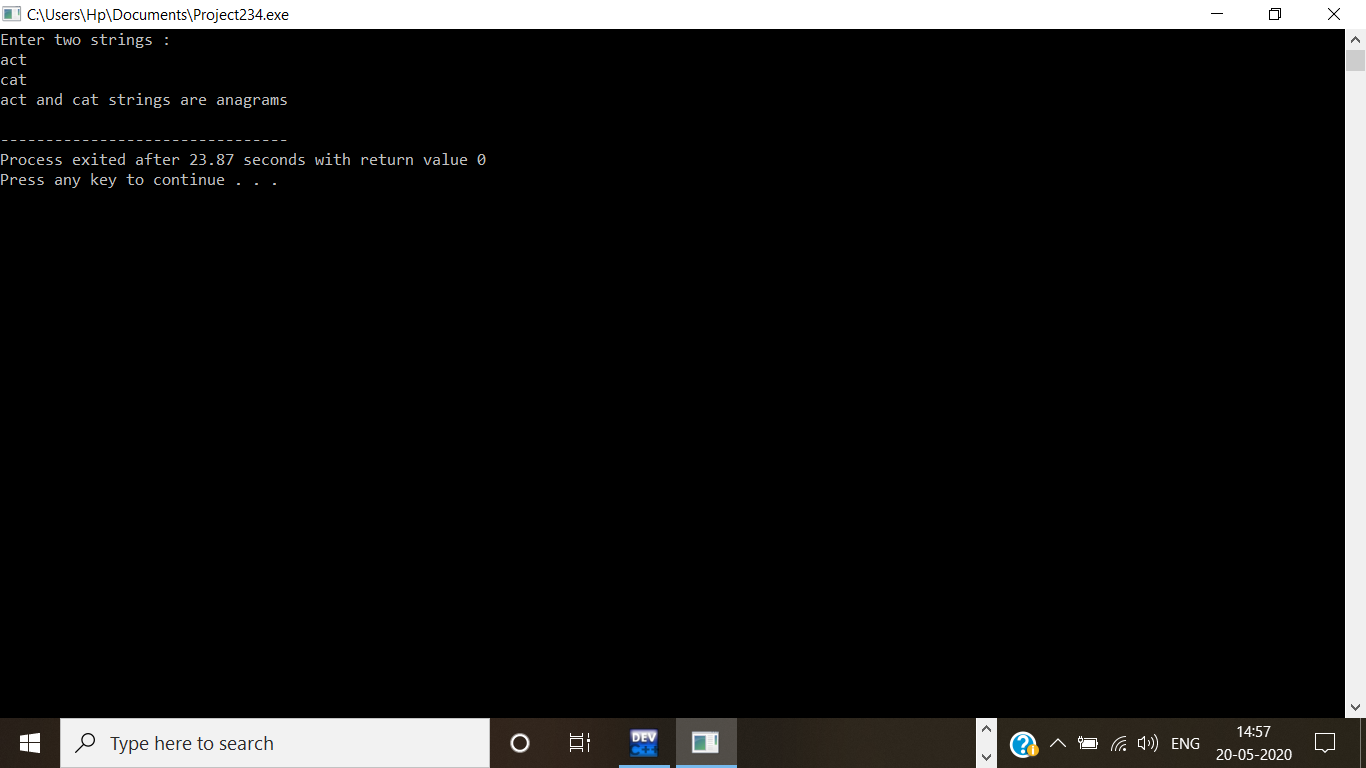
3.Write a C Program to check whether two strings are anagram or not.

Hint: An Anagram of a string is another string that contains same characters, only the order of characters can be different.  
For example, "act" and "cat" are anagram of each other.

#include <stdio.h>  
int check\_anagram(char [], char []);  
int main()  
{  
char a[100], b[100];  
printf("Enter two strings : \n");  
gets(a);  
gets(b);

if (check\_anagram(a, b) == 1)  
printf("%s and %s strings are anagrams\n",a,b);  
else  
printf("%s and %s strings are not anagrams\n");

return 0;  
}  
int check\_anagram(char a[], char b[])  
{  
int first[26] = {0}, second[26] = {0}, c=0;  
while (a[c] != '\0')  
{  
first[a[c]-'a']++;  
c++;  
}  
c = 0;  
while (b[c] != '\0')  
{  
second[b[c]-'a']++;  
c++;  
}  
for (c = 0; c < 26; c++)  
{  
if (first[c] != second[c])  
return 0;  
}  
return 1;  
}

**Output:** ****