15 July

**C Program to check if two string are anagrams or not.**

#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("The strings are anagrams\n");

else

printf("The 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;

}