3)

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;

}

