**Copy one string to another string**

#include <stdio.h>

void copy(char [], char [], int);

int main()

{

char str1[20], str2[20];

printf("Enter string to copy: ");

scanf("%[^\n]s", str1);

copy(str1, str2, 0);

printf("Copying success.\n");

printf("string: %s\n", str1);

printf("copied string : %s\n", str2);

return 0;

}

void copy(char str1[], char str2[], int index)

{

str2[index] = str1[index];

if (str1[index] == '\0')

return;

copy(str1, str2, index + 1);

