```c
#include<stdio.h>
//Compare using userbased function//
int compare(char*,char*);
void main()
{
    char a[100];
    char b[100];

    printf("Enter Your First String Here:");
    scanf("%s",&a);
    printf("Enter Your Second String Here:");
    scanf("%s",&b);
    int c;
    c=compare(a,b);
    if(c==1)
    puts("The Strings Are Different");
    else
    puts("The Strings Are Same");

}
int compare(char* a,char* b)
{
int i,count=0;
        for (i=0;a[i]!='\0'|| b[i]!='\0';i++)
        {
            if(a[i]!=b[i])
            {
            count=1;
            break;
            }
        }
    return count;


}

```

```c
#include<stdio.h>
//copying using userbased function//
char* myfuncat(char*,char*);
void main()
{

    char *c;
    char a[100];
    char b[100];
    printf("Enter Your String Here:");
    scanf("%s",a);
    printf("Enter Your String Here:");
    scanf("%s",b);

    c=myfuncat(a,b);
    printf("Your New String is:%s",c);


}
char* myfuncat(char* a,char*b)
{
    int i;
    int j=0;
    for(i=0;i<a[i];i++);

    for(j=0;b[j]!='\0';j++)
    {
        a[i]=b[j];
        i++;
    }
    a[i]='\0';
    return a;

}
```

```c
#include<stdio.h>
//copying using userbased function//
char* myfuncopy(char*,char*);
void main()
{
    int i,n;
    char *c;
    char a[100];
    char b[100];
    printf("Enter Your String Here:");
    scanf("%s",b);
    c=myfuncopy(a,b);
    printf("Your New String is:%s",c);


}
char* myfuncopy(char* a,char*b)
{
    int i;
    for(i=0;b[i]!='\0';i++)
    {
        a[i]=b[i];
    }
    a[i]='\0';
    return a;

}
```

```c
#include<stdio.h>
int myfunlength(char*);
void main()
{
    int b,i,n;
    char a[100];
    printf("Enter Your String Here:");
    scanf("%s",a);
    b=myfunlength(a);
    printf("Length of String is:%d",b);


}
int myfunlength(char* a)
{
    int i;
    for(i=0;a[i]!='\0';i++);
    return i;

}
```

```c
#include<stdio.h>
//reverse userbased//
char* reverse(char*,char*);
void main()
{
    char a[100];
    char b[100];
    char* c;

    puts("Enter Your Stirng Here:");
    scanf("%s",a);
    c=reverse(a,b);
printf("%s",c);

}
char* reverse(char* a,char*b)
{
    int i,j;
for(i=0;a[i]!='\0';i++);
i--;
for(j=0;i>=0;j++)
{
    b[j]=a[i];
    i--;
}
b[j]='\0';
//printf("%s",b);
return b;
}


/*//Another method with explaination//

#include <stdio.h>
int main()
{
   char s[1000], r[1000];
   int begin, end, count = 0;

   printf("Input a string\n");
   gets(s);

```

```
43:    // Calculating string length
44:
45:    while (s[count] != '\0')
46:       count++;
47:
48:    end = count - 1;
49:
50:    for (begin = 0; begin < count; begin++) {
51:       r[begin] = s[end];
52:       end--;
53:    }
54:
55:    r[begin] = '\0';
56:
57:    printf("%s\n", r);
58:
59:    return 0;
60: }
```