

```
1: #include<stdio.h>
2: //Compare using userbased function//
3: int compare(char*,char*);
4: void main()
5: {
6:     char a[100];
7:     char b[100];
8:
9:     printf("Enter Your First String Here:");
10:    scanf("%s",&a);
11:    printf("Enter Your Second String Here:");
12:    scanf("%s",&b);
13:    int c;
14:    c=compare(a,b);
15:    if(c==1)
16:        puts("The Strings Are Different");
17:    else
18:        puts("The Strings Are Same");
19:
20: }
21: int compare(char* a,char* b)
22: {
23:     int i,count=0;
24:     for (i=0;a[i]!='\0' || b[i]!='\0';i++)
25:     {
26:         if(a[i]!=b[i])
27:         {
28:             count=1;
29:             break;
30:         }
31:     }
32:     return count;
33:
34:
35: }
36:
```

```
1: #include<stdio.h>
2: //copying using userbased function//
3: char* myfuncat(char*,char*);
4: void main()
5: {
6:
7:     char *c;
8:     char a[100];
9:     char b[100];
10:    printf("Enter Your String Here:");
11:    scanf("%s",a);
12:    printf("Enter Your String Here:");
13:    scanf("%s",b);
14:
15:    c=myfuncat(a,b);
16:    printf("Your New String is:%s",c);
17:
18:
19: }
20: char* myfuncat(char* a,char*b)
21: {
22:     int i;
23:     int j=0;
24:     for(i=0;i<a[i];i++);
25:
26:     for(j=0;b[j]!='\0';j++)
27:     {
28:         a[i]=b[j];
29:         i++;
30:     }
31:     a[i]='\0';
32:     return a;
33:
34: }
35:
36:
```

```
1: #include<stdio.h>
2: //copying using userbased function//
3: char* myfunccopy(char*,char*);
4: void main()
5: {
6:     int i,n;
7:     char *c;
8:     char a[100];
9:     char b[100];
10:    printf("Enter Your String Here:");
11:    scanf("%s",b);
12:    c=myfunccopy(a,b);
13:    printf("Your New String is:%s",c);
14:
15:
16: }
17: char* myfunccopy(char* a,char*b)
18: {
19:     int i;
20:     for(i=0;b[i]!='\0';i++)
21:     {
22:         a[i]=b[i];
23:     }
24:     a[i]='\0';
25:     return a;
26:
27: }
28:
29:
```

```
1: #include<stdio.h>
2: int myfunlength(char*);
3: void main()
4: {
5:     int b,i,n;
6:     char a[100];
7:     printf("Enter Your String Here:");
8:     scanf("%s",a);
9:     b=myfunlength(a);
10:    printf("Length of String is:%d",b);
11:
12:
13: }
14: int myfunlength(char* a)
15: {
16:     int i;
17:     for(i=0;a[i]!='\0';i++);
18:     return i;
19:
20: }
21:
22:
```

```

1: #include<stdio.h>
2: //reverse userbased//
3: char* reverse(char*,char*);
4: void main()
5: {
6:     char a[100];
7:     char b[100];
8:     char* c;
9:
10:    puts("Enter Your Stirng Here:");
11:    scanf("%s",a);
12:    c=reverse(a,b);
13:    printf("%s",c);
14:
15: }
16: char* reverse(char* a,char*b)
17: {
18:     int i,j;
19:     for(i=0;a[i]!='\0';i++);
20:     i--;
21:     for(j=0;i>=0;j++)
22:     {
23:         b[j]=a[i];
24:         i--;
25:     }
26:     b[j]='\0';
27:     //printf("%s",b);
28:     return b;
29: }
30:
31:
32: /*//Another method with explination//
33:
34: #include <stdio.h>
35: int main()
36: {
37:     char s[1000], r[1000];
38:     int begin, end, count = 0;
39:
40:     printf("Input a string\n");
41:     gets(s);
42:

```

```
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: }
```