1. **C program to copy a string without using function(strcpy)**

**#include”stdio.h”**

**Void main()**

**{**

**Char str1[100],str2[50];**

**Int I;**

**Printf(“Enter string str1\n”);**

**Gets(str1);**

**For(I=0;str1[I]=’\0’;I++)**

**{**

**Str2[I]=’\0’;**

**Printf(“Copied string(str2) is %s”,str2);**

**}**

1. **C program to reverse a string without using string function(strrev)**

**#include”stdio.h”**

**#include”string.h”**

**Void main()**

**{**

**Int I,n;**

**Char str[20];**

**Printf(“Enter the string to get revevrsed\n”);**

**Gets(str);**

**N=strlen(str);**

**Printf(“\nReversed string is \n”);**

**For(I=n-1;I>=0;I--)**

**{**

**Printf(“%c”,str[I]);**

**}**

**}**

1. **C program to find length of without using string function(strlen)**

**#include”stdio.h”**

**Void main()**

**{**

**Char str[50];**

**Int I,length=0;**

**Printf(“Enter a string \n”);**

**Gets(str);**

**For(I=0;str[I]!=’\0’;I++)**

**{**

**Length++;**

**}**

**Printf(“Length of the string(%s)=%d\n”,str,length);**

**}**

1. **C program to concatenate two strings without using string function(strcat)**

**#include”stdio.h”**

**Void main()**

**{**  
**char str1[50],str2[50];**

**Static int I=0;**

**Int j=0;**

**Printf(“\nEnter first string\n”);**

**Gets(str1);**

**Printf(“\nEnter second string\n”);**

**Gets(str2);**

**While(str1[I]!=’\0’)**

**{**

**I++;**

**}**

**While(str2[j]!=’\0’)**

**{**

**Str1[I]=str2[j];**

**J++;**

**I++;**

**}**

**Str1[I]=’\0’;**

**Printf(“\nConcatenated string is %s”,str1);**

**}**

1. **String comparison witout using strcmp() function**

**#include”stdio.h”**

**Int compare(char[],char[]);**

**Int main()**

**{**

**Char str1[20];**

**Char str2[20];**

**Printf(“Enter the first string : “);**

**Scanf(“%s”,&str1);**

**Printf(“Enter the second string : “);**

**Scanf(“%s”,str2);**

**Int c=compare(str1,str2);**

**If(c==0)**

**Printf(“strings are same”);**

**Else**

**Printf(“strings are not same”);**

**Return 0;**

**}**

**Int compare(char a[],char b[])**

**{**

**Int flag=0,I=0;**

**While(a[I]!=’\0’ &&b[I]!=’\0’)**

**{**

**If(a[I]!=b[I])**

**{**

**Flag=1;**

**Break;**

**}**

**I++;**

**}**

**If(flag==0)**

**Return 0;**

**Else**

**Return 1;**

**}**