```c
1    #include "stdio.h"
2    #include "reg51.h"
3
4    void con_string(char *s1, char *s2 )
5    {
6      while(*s1!='\0')
7          s1++;
8      while(*s2!='\0')
9          *s1++=*s2++;
10         *s1='\0';
11   }
12
13
14   void main()
15   {
16     xdata char  a[40],b[40];
17     SCON= 0x52;
18     TMOD = 0x20;
19     TCON = 0x69;
20     TH1 = 0xF3;
21     printf("please enter the string of a[40]\n");
22       gets(a,40);
23     printf("please enter the string of b[40]\n");
24       gets(b,40);
25     printf("\n connected the string is\n");
26     con_string(a,b);
27      puts(a);
28     while(1);
29
30   }
31
```