

```
1  #include "stdio.h"
2  #include "reg51.h"
3  struct student{
4      char name[30];
5      char gender;
6      int age;
7      long int num;
8  };
9  xdata struct student stu[2];
10 int main()
11 {
12     int i;
13     SCON= 0x52;
14     TMOD = 0x20;
15     TCON = 0x69;
16     TH1 = 0xF3;
17     for(i=0;i<2;i++)
18     {
19         printf("please input stu[%d].name\n",i);
20         scanf("%s",stu[i].name);
21         getchar();
22         printf("please input stu[%d].gender\n",i);
23         scanf("%c",&stu[i].gender);
24         putchar('\n');
25         printf("please input stu[%d].age\n",i);
26         scanf("%d",&stu[i].age);
27         printf("please input stu[%d].num\n",i);
28         scanf("%ld",&stu[i].num);
29     }
30     putchar('\n');
31     for(i=0;i<2;i++)
32     {
33         printf("the following students information is:\n");
34         printf("stu[%d].name=%s, ",i,stu[i].name);
35         printf("stu[%d].gender=%c, ",i,stu[i].gender);
36         printf("std[%d].age=%d, ",i,stu[i].age);
37         printf("std[%d].num=%ld, ",i,stu[i].num);
38         putchar('\n');
39     }
40     return 0;
41 }
```