F:\stc_class\example_function_array_6\main.c

```
#include "stdio.h"
     #include "reg51.h"
 3
 4
     void sort(int array[],int n)
 5
 6
       int i,j,k,t;
 7
        for (i=0;i<n-1;i++)</pre>
 8
9
            k=i;
              for (j=k+1; j<n; j++)</pre>
10
11
                  if(array[j] < array[k])</pre>
12
                    k=j;
13
                  t=array[k];
                  array[k]=array[i];
14
15
                  array[i]=t;
16
         }
17
     }
18
19
     void main()
20
21
       int a[10],i;
22
       SCON= 0x52;
23
       TMOD = 0x20;
24
       TCON = 0x69;
       TH1 = 0xF3;
25
26
       printf("please enter the value of a[10]\n");
27
       for (i=0;i<10;i++)</pre>
         scanf("%d,",&a[i]);
28
29
       printf("\n sorted array is\n");
30
       sort(a, 10);
31
       for (i=0; i<10; i++)</pre>
         printf("a[%d]=%d,",i,a[i]);
32
33
       while(1);
34
35
```

}