

```

1 // 11.3
2 #include <stdio.h>
3
4 struct time_struct{
5     int hour, minute, second;
6 };
7
8 struct time_struct input_time(struct time_struct t)
9 {
10     printf("Enter hour, minute and second respectively:\n");
11     scanf("%d %d %d", &t.hour, &t.minute, &t.second);
12     return t;
13 }
14 void display_time(struct time_struct t)
15 {
16     printf("%2d:%2d:%2d\n", t.hour, t.minute, t.second);
17 }
18 struct time_struct update( struct time_struct t)
19 {
20     t.second ++;
21     if( t.second == 60 ){
22         t.second = 0;
23         t.minute++;
24
25         if( t.minute == 60 ){
26             t.minute = 0;
27             t.hour ++;
28
29             if( t.hour == 24 )
30                 t.hour = 0;
31         }
32     }
33     return t;
34 }
35
36 int main(void)
37 {
38     struct time_struct t;
39
40     t = input_time(t);
41     display_time(t);
42     t = update(t);
43     display_time(t);
44
45     return 0;
46 }
47
48
49

```