

```
HW3.c  HW2  (全局范围)  main()
1  #define _CRT_SECURE_NO_WARNINGS
2  #include <stdio.h>
3
4  int main()
5  {
6      int mm1, dd1, yy1, mm2, dd2, yy2, age;
7      printf("Enter today' s date (mm/dd/yy): ");
8      scanf("%d/%d/%d", &mm1, &dd1, &yy1);
9      printf("Enter a date of birth (mm/dd/yy):");
10     scanf("%d/%d/%d", &mm2, &dd2, &yy2);
11     age = yy1 - yy2;
12     if (mm1 < mm2)
13         age--;
14     if (mm1 == mm2 && dd1 < dd2)
15         age--;
16
17     printf("Age is %d", age);
18
19     return 0;
20 }
```

Microsoft Visual Studio 调试控制台

```
Enter today' s date (mm/dd/yy): 09/30/23
Enter a date of birth (mm/dd/yy):11/21/03
Age is 19
D:\Project\C programming language\Fall Semester of 2023\HW1\HW2\HW2\x64\Debug\HW2.exe (进程 8556) 已退出, 代码为 0。
按任意键关闭此窗口. . .
```

The image shows a Visual Studio window with a C program named HW2.c and its execution output in the Debug Console.

HW2.c Code:

```
1 #define _CRT_SECURE_NO_WARNINGS
2 #include <stdio.h>
3 // ...
20 int main()
21 {
22     int hour, min, total;
23     printf("Enter a 24-hour time: ");
24     scanf("%d:%d", &hour, &min);
25     total = hour * 60 + min;
26     if(172 < total && total < 527)
27         printf("Closest departure time is 8:00 am, arriving at 10:16 am");
28     if (527 <= total && total <= 626)
29         printf("Closest departure time is 9:34 am, arriving at 11:52 am");
30     if (626 < total && total < 723)
31         printf("Closest departure time is 11:19 am, arriving at 1:31 pm");
32     if (723 <= total && total <= 803)
33         printf("Closest departure time is 12:47 pm, arriving at 3:00 pm");
34     if (803 < total && total <= 892)
35         printf("Closest departure time is 2:00 pm, arriving at 4:08 pm");
36     if (892 < total && total <= 1042)
37         printf("Closest departure time is 3:45 pm, arriving at 5:55 pm");
38     if (1042 < total && total <= 1222)
39         printf("Closest departure time is 7:00 pm, arriving at 7:00 pm");
40     if (1222 < total || total <= 172)
41         printf("Closest departure time is 9:45 pm, arriving at 11:58 pm");
42
43     return 0;
44 }
```

Debug Console Output:

```
Microsoft Visual Studio 调试控制台
Enter a 24-hour time: 13:15
Closest departure time is 12:47 pm, arriving at 3:00 pm
D:\Project\C programming language\Fall Semester of 2023\HW1\HW2\HW2\x64\Debug\HW2.exe (进程 5536) 已退出, 代码为 0.
按任意键关闭此窗口. . .
```

```
HW3.c  HW2  (全局范围)
1  #define _CRT_SECURE_NO_WARNINGS
2  #include <stdio.h>
3  // ...
45 int main()
46 {
47     int a,b,c,d,largest,Slargest;
48     printf("Enter four integers: ");
49     scanf("%d %d %d %d", &a, &b,&c,&d);
50
51     if (a > b)
52     {
53         largest = a;
54         Slargest = b;
55         if (largest <= c)
56         {
57             Slargest = largest;
58             largest = c;
59         }
60         if (largest > c)
61         {
62             if(Slargest < c)
63                 Slargest = c;
```

```
HW3.c  HW2  (全局范围)
60     if (largest > c)
61     {
62         if(Slargest < c)
63             Slargest = c;
64     }
65     if (largest <= d)
66     {
67         Slargest = largest;
68         largest = d;
69     }
70     if (largest > d)
71     {
72         if (Slargest < d)
73             Slargest = d;
74     }
75 }
76 else
77 {
78     largest = a;
79     Slargest = b;
80     if (largest <= c)
81     {
```

```
HW3.c  HW2  (全局范围)
78     largest = a;
79     Slargest = b;
80     if (largest <= c)
81     {
82         Slargest = largest;
83         largest = c;
84     }
85     if (largest > c)
86     {
87         if (Slargest < c)
88             Slargest = c;
89     }
90     if (largest <= d)
91     {
92         Slargest = largest;
93         largest = d;
94     }
95     if (largest > d)
96     {
97         if (Slargest < d)
98             Slargest = d;
99     }
100 }
101
102 printf("Largest: %d\n", largest);
103 printf("Second largest: %d", Slargest);
104
105 return 0;
106 }
```

Microsoft Visual Studio 调试控制台

Enter four integers: 53 13 20 5
Largest: 53
Second largest: 20
D:\Project\C programming language\Fall Semester of 2023\HW1\HW2\HW2\x64\Debug\HW2.exe (进程 19152) 已退出, 代码为 0。
按任意键关闭此窗口。 . . .