

Lab 23

```
1  #include <stdio.h>
2  main()
3  {
4      char flight, tf, con = 'y';
5      float time;
6      int next = 0;
7
8      while (con == 'y')
9      {
10         printf("Search By Departure Press:(D) Time or Arrival Press:(A) ? : ");
11         scanf(" %c", &flight);
12
13         if (flight == 'D')
14         {
15             printf("Search By Departure Time\n");
16
17             while ((tf != 'P' || tf != 'A') && next == 0)
18             {
19                 printf("Post Meridiem Press:(P) or Ante Meridiem Press:(A) : ");
20                 scanf(" %c", &tf);
21
22                 if (tf == 'A')
23                 {
24                     printf("Enter Departure Time (H.mm): ");
25                     scanf("%f", &time);
26
27                     if (time > 7.99 && time < 8.01)
28                     {
```

```
29         printf("\nDeparture Time : 08.00 AM and Arrival Time : 10.16 AM" "\n\n");
30         next = 1;
31     }
32
33     else if (time > 9.429 && time < 9.431)
34     {
35         printf("\nDeparture Time : 09.43 AM and Arrival Time : 11.52 AM" "\n\n");
36         next = 1;
37     }
38     else if (time > 11.189 && time < 11.191)
39     {
40         printf("\nDeparture Time : 11.19 AM and Arrival Time : 01.31 PM" "\n\n");
41         next = 1;
42     }
43     else
44     {
45         printf("\nNo flight information of the this time" "\n\n");
46         next = 1;
47     }
48 }
49 if (tf == 'P')
50 {
51     printf("Enter Departure Time (H.mm): ");
52     scanf("%f", &time);
53
54     if (time > 12.469 && time < 12.471)
55     {
56         printf("\nDeparture Time : 12.47 PM and Arrival Time : 03.00 PM" "\n\n");
57         next = 1;
58     }
```

```
59         else if (time > 1.99 && time < 2.01)
60         {
61             printf("\nDeparture Time : 02.00 PM and Arrival Time : 04.08 PM" "\n\n");
62             next = 1;
63         }
64         else if (time > 3.449 && time < 3.451)
65         {
66             printf("\nDeparture Time : 03.45 PM and Arrival Time : 05.55 PM" "\n\n");
67             next = 1;
68         }
69         else
70         {
71             printf("\nNo flight information of the this time" "\n\n");
72             next = 1;
73         }
74     }
75 }
76 }
77 if (flight == 'A')
78 {
79     printf("Search By Arrival Time \n");
80
81     while ((tf != 'P' || tf != 'A') && next == 0)
82     {
83         printf("Post Meridiem Press:(P) or Ante Meridiem Press:(A) : ");
84         scanf(" %c", &tf);
85
86         if (tf == 'A')
87         {
88             printf("Enter Arrival Time (H.mm): ");
```

```
89         scanf("%f", &time);
90
91         if (time > 10.159 && time < 10.161)
92         {
93             printf("\nArrival Time : 10.16 AM and Departure Time : 08.00 AM" "\n\n");
94             next = 1;
95         }
96
97         else if (time > 11.519 && time < 11.521)
98         {
99             printf("\nArrival Time : 11.52 AM and Departure Time : 09.43 AM" "\n\n");
100             next = 1;
101         }
102         else
103         {
104             printf("\nNo flight information of the this time" "\n\n");
105             next = 1;
106         }
107     }
108     if (tf == 'P')
109     {
110
111         printf("Enter Arrival Time (H.mm): ");
112         scanf("%f", &time);
113
114         if (time > 1.309 && time < 1.311)
115         {
116             printf("\nArrival Time : 01.31 PM and Departure Time : 11.19 AM " "\n\n");
117             next = 1;
118         }
```

```
119         else if (time > 2.99 && time < 3.01)
120         {
121             printf("\nArrival Time : 03.00 PM and Departure Time : 12.47 AM" \n\n");
122             next = 1;
123         }
124         else if (time > 4.079 && time < 4.081)
125         {
126             printf("\nArrival Time : 04.08 PM and Departure Time : 02.00 PM" \n\n");
127             next = 1;
128         }
129         else if (time > 5.549 && time < 5.551)
130         {
131             printf("\nArrival Time : 05.55 PM and Departure Time : 03.45 PM" \n\n");
132             next = 1;
133         }
134         else
135         {
136             printf("\nNo flight information of the this time" \n\n");
137             next = 1;
138         }
139     }
140 }
141 }
142 while (next == 1)
143 {
144     printf("Continue Program ?(y/N) : ");
145     scanf(" %c", &con);
146     if (con == 'y' || con == 'N')
147     {
148         next = 0;
```

```
149         }
150     }
151     while (con == 'N')
152     {
153         printf("\nEnd Program\n");
154         break;
155     }
156     next = 0;
157     printf("\n\n");
158 }
159 }
```