Lab 17

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

```
29              while (time > 7.99 && time < 8.01 && next == 2)
30              {
31                  printf("\"Departure Time : 08.00 AM  and  Arrival Time : 10.16 AM\" \n\n");
32                  next++;
33              }
34
35              while (time > 9.429 && time < 9.431 && next == 2)
36              {
37                  printf("\"Departure Time : 09.43 AM  and  Arrival Time : 11.52 AM\" \n\n");
38                  next++;
39              }
40              while (time > 11.189 && time < 11.191 && next == 2)
41              {
42                  printf("\"Departure Time : 11.19 AM  and  Arrival Time : 01.31 PM\" \n\n");
43                  next++;
44              }
45              while (next == 2)
46              {
47                  printf("\"No flight information of the this time\" \n\n");
48                  next = 1;
49              }
50          }
51          while (tf == 'P' && next == 1 && error == 1)
52          {
53              printf("Enter Departure Time (H.mm): ");
54              scanf("%f", &time);
55              next++;
56
57              while (time > 12.469 && time < 12.471 && next == 2)
58              {
```

```
59              printf("\"Departure Time : 12.47 PM  and  Arrival Time : 03.00 PM\" \n\n");
60              next++;
61          }
62          while (time > 1.99 && time < 2.01 && next == 2)
63          {
64              printf("\"Departure Time : 02.00 PM  and  Arrival Time : 04.08 PM\" \n\n");
65              next++;
66          }
67          while (time > 3.449 && time < 3.451 && next == 2)
68          {
69              printf("\"Departure Time : 03.45 PM  and  Arrival Time : 05.55 PM\" \n\n");
70              next++;
71          }
72          while (next == 2)
73          {
74              printf("\"No flight information of the this time\" \n\n");
75              next = 1;
76          }
77      }
78      }
79  }
80  while (flight == 'A' && next == 0)
81  {
82      printf("Search By Arrival Time \n");
83      next++;
84
85      while (flight == 'A' && next == 1 && tf != 'P' || tf != 'A')
86      {
87          printf("Post Meridiem Press:(P) or Ante Meridiem Press:(A) : ");
88          scanf(" %c", &tf);
```

```
89
90              while (tf == 'A' && next == 1 && error == 1)
91              {
92                  printf("Enter Arrival Time (H.mm): ");
93                  scanf("%f", &time);
94                  next++;
95
96                  while (time > 10.159 && time < 10.161 && next == 2)
97                  {
98                      printf("\"Arrival Time : 10.16 AM  and  Departure Time : 08.00 AM\" \n\n");
99                      next++;
100                     error = 0;
101                 }
102
103                 while (time > 11.519 && time < 11.521 && next == 2)
104                 {
105                     printf("\"Arrival Time : 11.52 AM  and  Departure Time : 09.43 AM\" \n\n");
106                     next++;
107                     error = 0;
108                 }
109                 while (next == 2)
110                 {
111                     printf("\"No flight information of the this time\" \n\n");
112                     next = 1;
113                 }
114             }
115             while (tf == 'P' && next == 1 && error == 1)
116             {
117
118                 printf("Enter Arrival Time (H.mm): ");
```

```c
119             scanf("%f", &time);
120             next++;
121
122             while (time > 1.309 && time < 1.311 && next == 2)
123             {
124                 printf("\"Arrival Time : 01.31 PM and Departure Time : 11.19 AM \" \n\n");
125                 next++;
126                 error = 0;
127             }
128             while (time > 2.99 && time < 3.01 && next == 2)
129             {
130                 printf("\"Arrival Time : 03.00 PM and Departure Time : 12.47 AM\" \n\n");
131                 next++;
132                 error = 0;
133             }
134             while (time > 4.079 && time < 4.081 && next == 2)
135             {
136                 printf("\"Arrival Time : 04.08 PM and Departure Time : 02.00 PM\" \n\n");
137                 next++;
138                 error = 0;
139             }
140             while (time > 5.549 && time < 5.551 && next == 2)
141             {
142                 printf("\"Arrival Time : 05.55 PM and Departure Time : 03.45 PM\" \n\n");
143                 next++;
144                 error = 0;
145             }
146             while (next == 2)
147             {
148                 printf("\"No flight information of the this time\" \n\n");
```

```c
149                    next = 1;
150                }
151            }
152        }
153    }
154    while (next < 4)
155    {
156        printf("Continue Program ?(y/N) :\n");
157        scanf(" %c", &con);
158        next = 5;
159    }
160    while (con == 'N')
161    {
162        printf("\"End Program\"");
163        break;
164    }
165    next = 0;
166    }
167 }
```