```
1 #include<stdio.h>
 2 #include<string.h>
 3 typedef struct
 4
 5
     char medi_name[20];
     int medi_ID;
 6
 7
     int quantity;
 8
     char company_name[50];
 9
     char pro_date[15];
10
     char ex_date[15];
11
     char measurement[10];
12
     float price;
13 }box_t;
14 void add_record(box_t [], int, FILE *);
15 void show_record(box_t [], FILE *);
16 void search_record(box_t [], char, FILE *);
17 int main()
18 {
19
       char id;
20
       int medicine_num;
21
      box_t medi[100];
22
       char str[10];
23
       char psw[10];
      printf(" Login Menu:-\n");
24
       printf("************\n\n");
25
       printf("Enter Your User Name: ");
26
27
       gets(str);
28
       printf("\n");
29
       FILE *fp;
30
       int choice;
       char myfile[50];
31
       if(strcmp("Dipto", str)==0)
32
33
           printf("Enter Password: ");
34
35
           gets(psw);
           if(strcmp("dip", psw)==0)
36
37
                printf("\n1. ADD RECORD\n2. VIEW/SHOW RECORD\n3. EDIT RECORD\n4. SEARCH RECORD\n5. EXIT\n");
38
39
                printf("Enter Choice: ");
                scanf("%d", &choice);
40
41
                switch(choice)
42
43
44
                    fp=fopen("D://Medicine_Index.txt", "w");
45
                    printf("How many medicines to catalog: ");
46
                    scanf("%d", &medicine_num);
47
                   printf(" Adding Records: \n");
                   printf("************);
48
49
                    add_record(medi, medicine_num, fp);
50
                   fclose(fp);
51
                   break;
52
                case 2:
53
                   fp=fopen("D://Medicine_Index.txt", "r");
54
                   printf(" Showing All Records: \n");
                   printf("***************\n\n");
55
                    show_record(medi,fp);
56
57
                   fclose(fp);
58
                   break;
59
                case 3:
60
                    fp=fopen("D://Medicine_Index.txt", "a");
61
                    printf("How many medicines to catalog: ");
                    scanf("%d", &medicine_num);
62
63
                    add_record(medi, medicine_num, fp);
64
                   fclose(fp);
65
                   break;
66
                case 4:
```

```
67
                     fp=fopen("D://Medicine_Index.txt", "r");
 68
                     printf("Enter Medicine ID For Search: \n");
 69
                     scanf("%c", &id);
 70
                     search_record(medi, id, fp);
 71
                     fclose(fp);
 72
                 default:
 73
                     break;
 74
             }
 75
 76
             else
 77
             {
 78
                 printf("Incorrect Password.\n");
 79
 80
         }
 81
         else
 82
 83
             printf("Incorrect User Name.\n");
 84
 85 }
 86 void add_record(box_t arr[], int size, FILE *fp)
 87 {
 88
         int c1;
         for(c1=0; c1<size; c1++)</pre>
 89
 90
 91
             fflush(stdin);
 92
             printf("Medicine No: %d", c1+1);
 93
             printf("\nMedicine Name: ");
 94
 95
             fgets(arr[c1].medi_name, 20, stdin);
 96
             fprintf(fp,"%s", "Medicine Name:
 97
             fprintf(fp,arr[c1].medi_name);
 98
             printf("Company Name: ");
99
100
101
             fgets(arr[c1].company_name, 20, stdin);
             fprintf(fp,"%s", "Company Name:
102
103
             fprintf(fp,arr[c1].company_name);
104
105
             fflush(stdin);
             printf("Medicine ID: ");
106
107
             scanf("%d", &arr[c1].medi_ID);
             fprintf(fp,"%s", "Medicine ID:
108
109
             fprintf(fp,"%d\n", arr[c1].medi_ID);
110
111
             printf("Medicine Quantity: ");
112
             scanf("%d", &arr[c1].quantity);
113
             fprintf(fp,"%s", "Medicine Quantity: ");
             fprintf(fp,"%d\n", arr[c1].quantity);
114
115
116
             getc(stdin);
117
             printf("Production Date[dy.mn.yr]: ");
118
             gets(arr[c1].pro_date);
119
             fprintf(fp,"%s", "Production Date: ");
120
             fprintf(fp,arr[c1].pro_date);
121
             fprintf(fp, "\n");
122
             printf("Expired Date[dy.mn.yr]: ");
123
124
125
             fgets(arr[c1].ex_date, 15, stdin);
             fprintf(fp,"%s", "Expired Date:
126
                                                    ");
127
             fprintf(fp,arr[c1].ex_date);
128
129
             printf("Measurement: ");
130
             fgets(arr[c1].measurement, 10, stdin);
131
             fprintf(fp,"%s", "Measurement:
132
             fprintf(fp,arr[c1].measurement);
```

```
133
      printf("Price: ");
scanf("%f", &arr[c1].price);
134
135
          fprintf(fp,"%s", "Price:
136
137
          fprintf(fp,"%f Tk.\n\n", arr[c1].price);
138
139
         getc(stdin);
140
141 }
          printf("\n");
142 }
143 void show_record(box_t arr[], FILE *fp)
144 {
147
148
            putchar(c);
149
150
       fclose(fp);
151 }
152 void search_record(box_t arr[], char i, FILE *fp)
153 {
char id;
printf("Enter Medicine ID For Search: \n");
scanf("%c", &id);
157 }
158
```