```c
1    #include<stdio.h>
2    #include<stdlib.h>
3
4    int c,i,id;
5    char name[20];
6    FILE *fp;
7    int n;
8    long curr_pos;
9    int search(FILE *fp,int id);
10   void display(FILE *fp);
11   typedef struct details
12   {
13       int id;
14       char name[20];
15   }details;
16   details d;
17
18   void main()
19   {
20       printf("\nHow many records you would like to insert ? : "); fflush(stdout);
21       scanf("%d",&n);
22       fp=fopen("one.txt","a");
23       for(i=0;i<n;i++)
24       {
25           printf("\nEnter id and name"); fflush(stdout);
26           scanf("%d%s",&d.id,d.name);
27           fwrite(&d,sizeof(d),1,fp);
28       }
29       fclose(fp);
30       while(1)
31       {
32           printf("\nWhat would you like to do now ? : \n");
33           printf("\n1.Display \t2.Search \t3.Modify \t4.Delete \t5.Exit\n");
34           fflush(stdout);
35           scanf("%d",&c);
36           switch(c)
37           {
38               case 1:
39                   fp=fopen("one.txt","r+");
40                   display(fp);
41                   fclose(fp);
42                   break;
43               case 2:
44                   fp=fopen("one.txt","r+");
45                   printf("\nEnter ID to search : "); fflush(stdout);
46                   scanf("%d",&id);
47                   if(search(fp,id))
48                   {
49                       printf("\nThe record is as follows : ");
50                       printf("\n%d\t%s",d.id,d.name); fflush(stdout);
51                   }
52                   else
53                       printf("\nRecord not found");
54                   fclose(fp);
55                   break;
56               case 3:
57                   fp=fopen("one.txt","r+");
58                   printf("\nEnter ID to modify d record : "); fflush(stdout);
59                   scanf("%d",&id);
60
61                   if(search(fp,id))
62                   {
63                       printf("\nEnter new name : "); fflush(stdout);
64                       scanf("%s",d.name);
65
66                       // back-up one record, to get to start of current record
67                       fseek(fp, curr_pos, 0);
68                       fwrite(&d,sizeof(d),1,fp);
69                   }
70                   else
71                       printf("\nSpecified record not found ");
72                   fclose(fp);
73                   break;
74           }
75       }
76   }
77
78   int search(FILE *fp,int id)
79   {
80       rewind(fp);
81       curr_pos = ftell(fp);
82       while(fread(&d,sizeof(d),1,fp))
83       {
84           if(id==d.id)  {return 1;}
```

```c
85
86            curr_pos = ftell(fp);
87        }
88        return 0;
89    }
90
91    void display(FILE *fp)
92    {
93        rewind(fp);
94        while(fread(&d,sizeof(d),1,fp))
95        {
96            printf("\n%d\t%s",d.id,d.name);
97        }
98    }
99
```