

PROGRAM-9

CODE:

```
C Program_9.c > mailbook
1  #include <stdio.h>
2  #include <string.h>
3  typedef struct mailbook{
4      char name[10];
5      char street[20];
6      char city[10];
7      char zip[10];
8  } mb;
9  void add(mb[]);
10 void delete(mb[]);
11 void show(mb[]);
12 int i=0;
13 int main(){
14     mb records[15];
15     int choice;
16     printf("Enter 1 to add\n");
17     printf("Enter 2 to delete\n");
18     printf("Enter 3 to print\n");
19     printf("Enter -1 to quit\n");
20     printf("Enter choice:");
21     scanf("%d",&choice);
```

```
C Program_9.c > mailbook
21     scanf("%d",&choice);
22     while(choice != -1){
23         if(choice==1){
24             add(records);
25         }
26         else if(choice==2){
27             delete(records);
28         }
29         else if(choice==3){
30             show(records);
31         }
32         printf("Enter choice:");
33         scanf("%d",&choice);
34     }
35     return 0;
36 }
37 void add(mb records[]){
38     i++;
39     printf("Enter Name:");
40     scanf("%s", records[i-1].name);
41     printf("Enter Street:");
```

C Program_9.c > mailbook

```
41     printf("Enter Street: ");
42     scanf("%s", records[i-1].street);
43     printf("Enter City:");
44     scanf("%s", records[i-1].city);
45     printf("Enter Zip-Code:");
46     scanf("%s", records[i-1].zip);
47     printf("Entries added to records\n");
48 }
49 void delete(mb records[]){
50     int x = 0;
51     char deleteName[20];
52     char nullStr[20] = {"\0"};
53     printf("\nEnter name: ");
54     scanf("%s", deleteName);
55     for(x=0;x<i;x++){
56         if(strcmp(deleteName,records[x].name) == 0){
57             strcpy(records[x].name, nullStr);
58             strcpy(records[x].city, nullStr);
59             strcpy(records[x].street, nullStr);
60             strcpy(records[x].zip, nullStr);
61             printf("Entry removed from records\n");
```

C Program_9.c > mailbook

```
60             strcpy(records[x].zip, nullStr);
61             printf("Entry removed from records\n");
62             i--;
63             break;
64         }
65     }
66
67 }
68 void show(mb records[]){
69     int x=0;
70     printf("Entries:\n");
71     for ( x = 0; x < i; x++) {
72         printf("\n(%d)\n", x+1);
73         printf("Name:%s\n",records[x].name);
74         printf("Street:%s\n",records[x].street);
75         printf("City:%s\n",records[x].city);
76         printf("Zip-Code:%s\n",records[x].zip);
77     }
78 }
```

OUTPUT:

```
PS D:\C Programs> .\Program_9.exe
Enter 1 to add
Enter 2 to delete
Enter 3 to print
Enter -1 to quit
Enter choice:1
Enter Name:Amogh
Enter Street:abc
Enter City:Delhi
Enter Zip-Code:1234
Entries added to records
Enter choice:1
Enter Name:Adya
Enter Street:xyz
Enter City:Mumbai
Enter Zip-Code:5678
Entries added to records
Enter choice:1
Enter Name:Munish
Enter Street:lmn
Enter City:London
Enter Zip-Code:9087
Entries added to records
Enter choice:3
Entries:

(1)
Name:Amogh
Street:abc
City:Delhi
Zip-Code:1234

(2)
Name:Adya
Street:xyz
```

(2)

Name:Adya

Street:xyz

City:Mumbai

Zip-Code:5678

(3)

Name:Munish

Street:lmn

City:London

Zip-Code:9087

Enter choice:2

Enter name: Munish

Entry removed from records

Enter choice:3

Entries:

(1)

Name:Amogh

Street:abc

City:Delhi

Zip-Code:1234

(2)

Name:Adya

Street:xyz

City:Mumbai

Zip-Code:5678

Enter choice:1

Enter Name:Anubha

Enter Street:yay

Enter City:Kolkata

Enter Zip-Code:3456

Entries added to records

```
Enter Zip-Code:3456
Entries added to records
Enter choice:3
Entries:

(1)
Name:Amogh
Street:abc
City:Delhi
Zip-Code:1234

(2)
Name:Adya
Street:xyz
City:Mumbai
Zip-Code:5678

(3)
Name:Anubha
Street:yay
City:Kolkata
Zip-Code:3456
Enter choice:-1
PS D:\C Programs> █
```

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