Aim:

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Write a program to implement an address book with options given below:

a) Create an address book.

b) View address book.

c) Insert a record.

d) Delete a record.

e) Modify a record.

f) Exit
```

Source Code:

```
#include<iostream>
#include<stdlib.h>
using namespace std;
class AddressBook
int Sr No;
char name[20];
char addr[20];
long phno;
public:
   int Insert(AddressBook *p,int n)
   cout << "Enter Sr No: ";
  cin>>p[n].Sr_No;
  cout<<"Enter Name: ";</pre>
  cin>>p[n].name;
  cout<< "Enter Address: ";</pre>
  cin>>p[n].addr;
  cout<<"Enter Contact: ";</pre>
  cin>>p[n].phno;
  cout<<"\nRECORD INSERTED...\n";</pre>
   int Display() {
   \verb|cout|<<| ``t"<<| addr<<"`t"<<| phno<<"`n"; |
```

```
int Del(AddressBook *p,int n,int roll)
    int j=0, k, flag=0;
    for (j=0; j<n; j++)</pre>
        if(p[j].Sr_No==roll)
             flag=1;
    if(flag==1)
        for(k=j;k<n;k++)</pre>
        p[k] = p[k+1];
int Update(AddressBook *p,int roll,int n)
   int i,ch1;
    for(i=0;i<n;i++)
    if(p[i].Sr No==roll)
```

```
cin>>ch1;
                 switch(ch1) {
                              cin>>p[i].addr;
                     case 2: cout<<"Contact:\t";</pre>
                              cin>>p[i].phno;
                     case 3: cout<<"Address:";</pre>
                              cin>>p[i].addr;
                              cout<<"Contact:\t";</pre>
                              cin>>p[i].phno;
                              cout<<"Record Updated...\n";</pre>
            if(p[i].Sr_No!=roll)
            cout<<"\nRecord Not Found\n\n";</pre>
int main()
AddressBook o[10];
int i=0, ch, j, roll;
while(1)
```

```
cout<<"\n";
 cout<< "\n 3.Delete";</pre>
 cout<< "\n\n ENTER YOUR CHOICE:";</pre>
 switch(ch){
   case 1: i=o[0].Insert(o,i);
for(j=0;j<i;j++){
     o[j].Display();
     cin>> roll;
     i=o[0].Del(o,i,roll);
   case 4:
     cin>> roll;
     i=o[0].Update(o,roll,i);
   case 5: exit(0);
   default: cout<<"Wrong Key!!";</pre>
```

Output:





