

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<stdlib.h>
#include<windows.h>
struct person
{
    char name[35];
    char address[50];
    char father_name[35];
    char mother_name[30];
    long int mble_no;
    char sex[8];
    char mail[100];
    char citision_no[20];

};
void menu();
void got();
void start();
void back();
void addrecord();
void listrecord();
void modifyrecord();
void deleterecord();
void searchrecord();
int main()
{
```

```

    start();
    return 0;
}
void back()
{
    start();
}
void start()
{
    menu();
}
void menu()
{
    system("cls");
    printf("\t\t*****WELCOME TO PHONEBOOK*****");

    printf("\n\n\t\t\t MENU\t\t\n\n");
    printf("\t1.Add New \t2.List \t3.Exit \n\t4.Modify \t5.Search\t6.Delete");

    switch(getch())
    {
        case '1':

            addrecord();

            break;
        case '2': listrecord();

            break;
        case '3': exit(0);

            break;
    }
}

```

```

case '4': modifyrecord();
break;
case '5': searchrecord();
break;
case '6': deleterecord();
break;
default:
    system("cls");
    printf("\nEnter 1 to 6 only");
    printf("\n Enter any key");
    getch();

menu();
}
}

void addrecord()
{
    system("cls");
    FILE *f;
    struct person p;
    f=fopen("project","ab+");
    printf("\n Enter name: ");
    got(p.name);
    printf("\nEnter the address: ");
    got(p.address);
    printf("\nEnter father name: ");
    got(p.father_name);
    printf("\nEnter mother name: ");
    got(p.mother_name);
}

```

```

        printf("\nEnter phone no.:");
        scanf("%ld",&p.mble_no);
        printf("Enter sex:");
        got(p.sex);
        printf("\nEnter e-mail:");
        got(p.mail);
        printf("\nEnter citizen no:");
        got(p.citision_no);
        fwrite(&p,sizeof(p),1,f);

        fflush(stdin);
        printf("\nrecord saved");

fclose(f);

        printf("\n\nEnter any key");

        getch();
        system("cls");
        menu();
    }
    void listrecord()
    {
        struct person p;
        FILE *f;
        f=fopen("project","rb");
        if(f==NULL)
        {
            printf("\nfile opening error in listing :");

```

```

exit(1);

}

while(fread(&p,sizeof(p),1,f)==1)

{

    printf("\n\n\n YOUR RECORD IS\n\n ");

    printf("\nName=%s\nAdress=%s\nFather name=%s\nMother name=%s\nMobile
no=%ld\nSex=%s\nE-mail=%s\nCitizen
no=%s",p.name,p.address,p.father_name,p.mother_name,p.mble_no,p.sex,p.mail,p.citision_no);


    getch();

    system("cls");

}

fclose(f);

printf("\n Enter any key");

getch();

system("cls");

menu();

}

void searchrecord()

{

    struct person p;

    FILE *f;

    char name[100];


    f=fopen("project","rb");

    if(f==NULL)

    {

        printf("\n error in opening\a\a\a");
    }

```

```

    exit(1);

}

printf("\nEnter name of person to search\n");
got(name);
while(fread(&p,sizeof(p),1,f)==1)
{
    if(strcmp(p.name,name)==0)
    {
        printf("\n\tDetail Information About %s",name);

        printf("\nName:%s\naddress:%s\nFather name:%s\nMother name:%s\nMobile no:%ld\nsex:%s\nE-
mail:%s\nCitision
no:%s",p.name,p.address,p.father_name,p.mother_name,p.mble_no,p.sex,p.mail,p.citision_no);
    }
    else
        printf("\nfile not found");

}

fclose(f);

printf("\n Enter any key");

    getch();

    system("cls");
menu();
}

void deleterecord()
{
    struct person p;
    FILE *f,*ft;

```

```

int flag;

char name[100];

f=fopen("project","rb");

if(f==NULL)
    {

        printf("\nCONTACT'S DATA NOT ADDED YET.");

    }

else
{
    ft=fopen("temp","wb+");
    if(ft==NULL)

printf("\nfile opaning error");
    else

{

        printf("\nEnter CONTACT'S NAME:");
        got(name);

        fflush(stdin);
        while(fread(&p,sizeof(p),1,f)==1)
        {
            if(strcmp(p.name,name)!=0)
                fwrite(&p,sizeof(p),1,ft);
            if(strcmp(p.name,name)==0)

```

```

        flag=1;
    }
    fclose(f);
    fclose(ft);
    if(flag!=1)
    {
        printf("\nNO CONTACT'S RECORD TO DELETE.");
        remove("temp.txt");
    }

    else
    {
        remove("project");
        rename("temp.txt","project");
        printf("\nRECORD DELETED SUCCESSFULLY.");
    }
}

printf("\n Enter any key");

    getch();
    system("cls");
    menu();
}

void modifyrecord()
{
    int c;
    FILE *f;

```



```

int flag=0;
struct person p,s;
    char name[50];
    f=fopen("project","rb+");
    if(f==NULL)
        {

            printf("\nCONTACT'S DATA NOT ADDED YET.");
            exit(1);

        }
    else
    {
        system("cls");
        printf("\nEnter CONTACT'S NAME TO MODIFY:\n");
        got(name);
        while(fread(&p,sizeof(p),1,f)==1)
        {
            if(strcmp(name,p.name)==0)
            {

                printf("\n Enter name:");
                got(s.name);
                printf("\nEnter the address:");
                got(s.address);
                printf("\nEnter father name:");

```

```
got(s.father_name);  
printf("\nEnter mother name:");  
got(s.mother_name);  
printf("\nEnter phone no:");  
scanf("%ld",&s.mble_no);  
printf("\nEnter sex:");  
got(s.sex);  
printf("\nEnter e-mail:");  
got(s.mail);  
printf("\nEnter citizen no\n");  
got(s.citision_no);  
fseek(f,-sizeof(p),SEEK_CUR);  
fwrite(&s,sizeof(p),1,f);  
flag=1;  
break;
```

```
}  
fflush(stdin);
```

```
}  
if(flag==1)  
{  
    printf("\n your data id modified");
```

```
}  
else
```

```

    {
        printf(" \n data is not found");

    }
    fclose(f);
}
    printf("\n Enter any key");
    getch();
system("cls");
    menu();

}
void got(char *name)
{

    int i=0,j;
    char c,ch;
    do
    {
        c=getch();
        if(c!=8&&cl=13)
        {
            *(name+i)=c;
            putchar(c);
            i++;
        }
        if(c==8)
        {
            if(i>0)

```

```
    {  
        i--;  
    }  
    // printf("h");  
    system("cls");  
    for(j=0;j<i;j++)  
    {  
        ch=*(name+j);  
        putchar(ch);  
    }  
  
    }  
}while(c!=13);  
    *(name+i)='\0';  
}
```