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#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()
{
    system("color 6f");

    start();

    return 0;
```

```

}

void back()
{
    start();
}

void start()
{
    menu();
}

void menu()
{
    system("cls");
    printf("\t\t----Telephone Directory----");

    printf("\n\n\t\t\t main page \t\t\n\n");
    printf("\t1.ADD NEW CONTACT \t2.CONTACT LIST \t3.EXIT \n\t4.EDIT \t5.SEARCH CONTACT
\t6.DELETE CONTACT");

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

            addrecord();

            break;
        case '2': listrecord();

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

            break;
        case '4': modifyrecord();

            break;
        case '5': searchrecord();
    }
}

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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:");
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        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)  
        {
```

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        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("file 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("CONTACT'S DATA NOT ADDED YET.");

        }

    else

    {

            ft=fopen("temp","wb+");

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        if(ft==NULL)

printf("file opaning error");

        else

{

        printf("Enter 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("NO CONACT'S RECORD TO DELETE.");

        remove("temp.txt");

}

        else

        {

                remove("project");

                rename("temp.txt","project");

                printf("RECORD DELETED SUCCESSFULLY.");

```

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        }
    }
}

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("CONTACT'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&& c!=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';
}
```