#include <stdio.h>

#include <conio.h>

#include <string.h>

struct person{

char name[20];

char address[50];

long telno;

};

void appendData(){

FILE \*fp;

struct person obj;

clrscr();

fp=fopen("data.txt","a");

printf("\n=======================================");

printf("\n===== Add Record in the Database ======");

printf("\n=======================================");

printf("\n\n");

printf("Enter Name of the Person : ");

scanf("%s",obj.name);

printf("Enter the Address : ");

scanf("%s",obj.address);

printf("Enter Telephone No. : ");

scanf("%ld",&obj.telno);

fprintf(fp,"%20s %20s %7ld",obj.name,obj.address,obj.telno);

fclose(fp);

}

void showAllData(){

FILE \*fp;

struct person obj;

char name[20];

char address[50];

clrscr();

fp=fopen("data.txt","r");

printf("\n\t\t=================================");

printf("\n\t\t====== Display All Records ======");

printf("\n\t\t=================================");

printf("\n\n\t\tName \t\t Address \t\tTelephone No.");

printf("\n\t\t======= \t========== \t\t============\n\n");

while(!feof(fp))

{

fscanf(fp,"%20s %20s %7ld",obj.name,obj.address,&obj.telno);

printf("%20s %20s %25ld\n",obj.name,obj.address,obj.telno);

}

fclose(fp);

getch();

}

void findData(){

FILE \*fp;

struct person obj;

char name[20];

char address[50];

int totrec=0;

clrscr();

fp=fopen("data.txt","r");

printf("\n======================================");

printf("\n===== Display Specific Records =======");

printf("\n======================================");

printf("\n\n");

printf("\nEnter the Name of the Person : ");

scanf("%s",&name);

while(!feof(fp))

{

fscanf(fp,"%20s %20s %7ld",obj.name,obj.address,&obj.telno);

if(strcmpi(obj.name,name)==0){

printf("\n\nName : %s",obj.name);

printf("\nAddress : %s",obj.address);

printf("\nTelephone No : %ld",obj.telno);

totrec++;

}

}

if(totrec==0)

printf("\n\n\n\t\t Sorry the record cannot be found in the database.");

else

printf("\n\n===Total %d Record found===",totrec);

fclose(fp);

getch();

}

void quit() {

gotoxy(23,14);

printf("\tTHANK YOU FOR USING THIS SOFTWARE");

gotoxy(10,15);

printf("\tCreated By: RIZWANA BEGAM");

}

void main(){

char choice;

while(1){

clrscr();

printf("======================================================");

printf("\n====== Telephone Directory Database Version 1.0 ======");

printf("\n======================================================");

printf("\n\n\t 1) Add Record in the Datbase\n");

printf("\t 2) Find Record in the Database\n");

printf("\t 3) Read all records in the Database\n");

printf("\t 4) Quit Program\n");

printf("\n\n");

printf("Enter your choice :=> ");

fflush(stdin);

choice = getche();

switch(choice){

case '1' : //call append record

appendData();

break;

case '2' : //call find record

findData();

break;

case '3' : //Read all record

showAllData();

break;

case '4' : quit();

case 27 : exit(1);

}

}

} // End of Code