#include<iostream>

#include<conio.h>

using namespace std;

void start();

int menu();

int k=0;

int main()

{

system("color a");

start();

string name[100];

string no[100];

int check=0;

int Total\_contacts=0;

do

{

check=menu();

cout<<"\n\n\n\n";

cout<<"\t\t\t--------------------------------------------\n";

cout<<"\t\t\t| PHONE BOOK APPLICATION |\n";

cout<<"\t\t\t--------------------------------------------\n";

// Add contacts

if(check==1)

{

string tempname ;

cout<<"\t\t\t\tEnter Name :";

cin>>tempname ;

for(int i=0 ; i<100 ; i++){

if(tempname==name[i]){

cout<<"\t\t\t\tName already exist "<<endl;

goto here ;

}

}

name[k]=tempname ;

cout<<"\n\t\t\t\t Phone no :";

cin>>no[k];

k++;

Total\_contacts++;

here:

system("pause");

system("cls");

}

else if (check==2)

{

int check2=0;

for(int i=0; i<100;i++)

{

if(name[i]!="\0")

cout<<"\n\n\t\t\t Name :"<<name[i]<<endl<<"\n\t\t\tPhone :"<<no[i]<<endl;

check2++;

}

if(check2==0)

{

cout<<"\n\n\t\t\tNo contacts found";

getch();

}

system("pause");

system("cls");

}

else if(check==3)

{

string temp;

cout<<"\n\n\t\t\tNumber : ";

cin>>temp;

int check2=0;

for(int i=0;i<100;i++)

{

if(temp==no[i])

{

cout<<"\n\n\t\t\tNumber is Found\n";

cout<<"\n\n\t\t\tName : "<<name[i]<<"\n\n\t\t\tPhone : "<<no[i]<<endl;

check2++;

}

}

if(check2==0)

{

cout<<"\n\n\t\t\t This Number is Not found in your contact list\n";

}

getch();

system("cls");

}

else if(check==4)

{

string temp;

cout<<"\n\n\t\t\tName : ";

cin>>temp;

int check2=0;

for(int i=0;i<100;i++)

{

if(temp==name[i])

{

cout<<"\n\n\t\t\tName is Found\n";

cout<<"\n\n\t\t\tName : "<<name[i]<<"\n\n\t\t\tPhone : "<<no[i]<<endl;

check2++;

}

}

if(check2==0)

{

cout<<"\n\n\t\t\t This name is Not found in your contact list\n";

}

getch();

system("cls");

}

else if(check==5)

{

string temp,tempname,tempnumber;

cout<<"\n\n\t\t\t\tName : ";

cin>>temp;

int check2=0;

for(int i=0;i<100;i++)

{

if(temp==name[i])

{

cout<<" Name is available in your contact \n";

cout<<"\n\n\t\t\tEnter New Name : ";

cin>>tempname;

cout<<"\n\n\t\t\tEnter New Number : ";

cin>>tempnumber;

name[i]=tempname;

no[i]=tempnumber;

check2++;

cout<<"\n\n\t\t\tUpdated Successfully ";

}

}

if(check2==0)

{

cout<<"\n\n\t\t\t This name is Not found \n";

}

getch();

system("cls");

}

else if(check==6)

{

string temp;

cout<<"\n\n\t\t\tFor Delete Enter Name : ";

cin>>temp;

int check2=0;

for(int i=0;i<100;i++)

{

if(temp==name[i])

{

cout<<"\n\n\t\t\tDeleted Successfully\n";

cout<<"\n\n\t\t\tName : "<<name[i]<<"\n\n\t\t\tPhone : "<<no[i]<<endl;

name[i]="\0";

no[i]="\0";

check2++;

Total\_contacts--;

}

}

if(check2==0)

{

cout<<"\n\n\t\t\t This name is Not found \n";

}

getch();

system("cls");

}

else if(check==7)

{

cout<<"\n\n\t\t\t All Deleted Successfully\n";

getch();

system("cls");

for(int i=0;i<k;i++)

{

name[i]="\0";

no[i]="\0";

}

k=0;

Total\_contacts=0;

}

else if(check==8)

{

cout<<"\n\n\t\t\tTotal Number of contact list are : "<<Total\_contacts<<endl;

getch();

system("cls");

}

}while(check!=9);

}

int menu()

{

cout<<"\t\t\t \*\*\* PHONE BOOK APPLICATION MENU \*\*\*\*\n\n\n";

cout<<"\t\t1. Add Contacts |\n";

cout<<"\t\t2. Display All Contacts |\n";

cout<<"\t\t3. Search by Number |\n";

cout<<"\t\t4. Search by Name |\n";

cout<<"\t\t5. Update |\n";

cout<<"\t\t6. Delete |\n";

cout<<"\t\t7. Delete All |\n";

cout<<"\t\t8. Number of contacts |\n";

cout<<"\t\t9. Exit |\n";

int a;

cout<<"\n\nPress any number to select...."<<endl;

cin>>a;

if(a==10)

{

exit(0);

}

system("cls");

return a;

}

void start()

{

cout<<"\n\n\n\n\n\n\n\n\n";

cout<<"\t\t\t\t----------------------------\n";

cout<<"\t\t\t\tPHONE BOOK APPLICATION\n";

cout<<"\t\t\t\t----------------------------\n\n";

}