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#include<iostream>
#include<fstream>
#include<cstdlib>
#include<cstring>
#include<string>
#define USER 200
#define SOUND 100
#define ANSWER 300
#define SUPPORT 200
#define QUESTION 500
using namespace std;
string HoTen[USER];
string NgheNghiep[USER];
string QueQuan[USER];
string CauHoi[QUESTION];
string DapAnA[ANSWER];
string DapAnB[ANSWER];
string DapAnC[ANSWER];
string DapAnD[ANSWER];
string DapAnDung[ANSWER];
string DapAnDung1[ANSWER];
string DapAnDung2[ANSWER];
string RepTrueSound[SOUND];
string ReadSound[SOUND];
string NamMuoiNamMuoi[SUPPORT];
string GoiDienThoai[SUPPORT];
string HoiKhanGia[SUPPORT];
string NguoiTroGiup;
string TraLoiCauHoi;
string Reply;
string Enter;
string Cmd;
int SoAmThanhTraLoiDung;
int SoAmThanhCauHoi;
int SoCapDapAnDung;
int SoNguoiChoi;
int SoTroGiup;
int SoCauHoi;
//Khai bao ham nguyen mau
void NguoiChoi(string HoTen[],string NgheNghiep[],string QueQuan[]);
void DocNguoiChoi(string HoTen[],string NgheNghiep[],string QueQuan[]);
void LuuNguoiChoi(string HoTen[],string NgheNghiep[],string QueQuan[]);
void DocCauHoi(string CauHoi[],string DapAnA[],string DapAnB[],string DapAnC[],string DapAnD[],string DapAnDung[]);
void TroGiup(string NamMuoiNamMuoi[],string GoiDienThoai[],string HoiKhanGia[]);
void LoaiDapAnSai(string DapAnDung1[],string DapAnDung2[]);
void SanSang(string HoTen[],string QueQuan[]);
void AmThanhCauTraLoi();
void AmThanhCauHoi();
void BatDau(string Reply);
void Command1(int i);
void Command2(int i);
//=====
int main(){
    DocNguoiChoi(HoTen[],NgheNghiep[],QueQuan);
    NguoiChoi(HoTen[],NgheNghiep[],QueQuan);
    LuuNguoiChoi(HoTen[],NgheNghiep[],QueQuan);
    SanSang(HoTen[],QueQuan);
    BatDau(Reply);
    return 0;
}
//=====
//Dinh nghia ham - Nguoi Choi
void NguoiChoi(string HoTen[],string NgheNghiep[],string QueQuan[]){
    cout<<"\t\tChao mung quy vi da den voi chuong trinh Ai La Trieu Phu (Enter)";
    system("canberra-gtk-play -f start.wav");
    getline(cin,Enter);
    system("canberra-gtk-play -f chaomung.wav");

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cout<<endl;
cout<<"Xin moi ban gioi thieu doi chut ve ban than minh: "<<endl;
cout<<"- Ho va ten: ";
getline(cin, HoTen[SoNguoiChoi]);
cout<<"- Nghe nghiep: ";
getline(cin, NgheNghiep[SoNguoiChoi]);
cout<<"- Que Quan: ";
getline(cin, QueQuan[SoNguoiChoi]);
SoNguoiChoi++;
}
//-----

void DocNguoiChoi(string Hoten[],string NgheNghiep[],string QueQuan[]){
    //Doc du lieu tu file nguoichoi.txt
    SoNguoiChoi=0;
    fstream fin("nguoichoi.txt");
    fin>>SoNguoiChoi;
    char temp[100];
    fin.getline(temp,100);
    for(int i=0;i<SoNguoiChoi;i++){
        getline(fin, Hoten[i]);
        getline(fin, NgheNghiep[i]);
        getline(fin, QueQuan[i]);
    }
    fin.close();
}
//-----

void LuuNguoiChoi(string HoTen[],string NgheNghiep[],string QueQuan[]){
    /*Luu du lieu xuong file nguoichoi.txt*/
    ofstream fout("nguoichoi.txt");
    fout<<SoNguoiChoi<<endl;
    for(int i=0;i<SoNguoiChoi;i++){
        fout<<HoTen[i]<<endl<<NgheNghiep[i]<<endl<<QueQuan[i]<<endl;
    }
    fout.close();
}
//=====

//Dinh nghia ham - Cau hoi va dap an
void DocCauHoi(string CauHoi[],string DapAnA[],string DapAnB[],string DapAnC[],string DapAnD[],string DapAnDung[]){
    //Doc du lieu tu file cauhoi.txt
    SoCauHoi=15;
    fstream fin("cauhoi.txt");
    fin>>SoCauHoi;
    char temp[100];
    fin.getline(temp,100);
    for(int i=0;i<SoCauHoi;i++){
        //Doc tu file in vao mang
        getline(fin, CauHoi[i]);
        getline(fin, DapAnA[i]);
        getline(fin, DapAnB[i]);
        getline(fin, DapAnC[i]);
        getline(fin, DapAnD[i]);
        getline(fin, DapAnDung[i]);
        //In cau hoi ra man hinh
        TroGiup(NamMuoiNamMuoi, GoiDienThoai, HoiKhanGia);
        cout<<CauHoi[i]<<endl;
        cout<<endl;
        cout<<DapAnA[i]<<"\t\t\t"<<DapAnB[i]<<endl;
        cout<<DapAnC[i]<<"\t\t\t"<<DapAnD[i]<<endl;
        cout<<endl;
        AmThanhCauHoi();
        Command1(i);
        cout<<"=> Cau tra loi cuoi cung cua ban la: ";
        getline(cin, TraLoiCauHoi);
        if(TraLoiCauHoi[0]==DapAnDung[i][0]||DapAnDung[i][0]==TraLoiCauHoi[0]-32){
            AmThanhCauTraLoi();
            Command2(i);
            //cout<<"=> Do la cau cau tra loi dung !"<<endl;

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system("clear");
}
//50/50 (1)
else if(TraLoiCauHoi=="1"){
system("canberra-gtk-play -f 5050.wav");
//cout<<"Chung toi xin moi may tinh loai bo di 2 phuong an sai"<<endl;
system("clear");
TroGiup(NamMuoiNamMuoi,GoiDienThoai,HoiKhanGia);
cout<<CauHoi[i]<<endl;
cout<<endl;
LoaiDapAnSai(DapAnDung1,DapAnDung2);
cout<<DapAnDung1[i]<<"\t\t\t"<<DapAnDung2[i]<<endl;
cout<<endl;
cout<<"=> Cau tra loi cuoi cung cua ban la: ";
getline(cin,TraLoiCauHoi);
if(TraLoiCauHoi[0]==DapAnDung[i][0]||DapAnDung[i][0]==TraLoiCauHoi[0]-32){
AmThanhCauTraLoi();
Command2(i);
//cout<<"=> Do la cau cau tra loi dung !"<<endl;
system("clear");
}
else{
cout<<"=> Do la cau tra loi sai, rat tiec ban da phai dung cuoc choi o day !"<<endl;
system("canberra-gtk-play -f repfalse.wav");
system("canberra-gtk-play -f xinchao.wav");
exit(0);
}
}
//Goi dien thoai (2)
else if(TraLoiCauHoi=="2"){
system("canberra-gtk-play -f goidienthoai1.wav");
cout<<"- Va ban muon goi dien thoai cho ai ? - ";
getline(cin,NguoiTroGiup);
cout<<"- Chung toi xin ket noi dien thoai den ban "<<NguoiTroGiup<<" !"<<endl;
system("canberra-gtk-play -f goidienthoai2.wav");
system("canberra-gtk-play -f goidienthoai3.wav");
system("canberra-gtk-play -f goidienthoai4.wav");
cout<<"- \tSau 30s goi dien, ban "<<NguoiTroGiup<<" xin tro giup dap an la: "<<DapAnDung[i]<<"\t"<<endl;
cout<<"=> Cau tra loi cuoi cung cua ban la: ";
getline(cin,TraLoiCauHoi);
if(TraLoiCauHoi[0]==DapAnDung[i][0]||DapAnDung[i][0]==TraLoiCauHoi[0]-32){
AmThanhCauTraLoi();
Command2(i);
//cout<<"=> Do la cau cau tra loi dung !"<<endl;
system("clear");
}
else{
cout<<"=> Do la cau tra loi sai, rat tiec ban da phai dung cuoc choi o day !"<<endl;
system("canberra-gtk-play -f repfalse.wav");
system("canberra-gtk-play -f xinchao.wav");
exit(0);
}
}
//Hoi khan gia (3)
else if(TraLoiCauHoi=="3"){
system("canberra-gtk-play -f hoikhangia1.wav");
AmThanhCauHoi();
Command1(i);
system("canberra-gtk-play -f hoikhangia2.wav");
cout<<"\t100% khan gia chon "<<DapAnDung[i]<<"\t"<<endl;
cout<<"=> Cau tra loi cuoi cung cua ban la: ";
getline(cin,TraLoiCauHoi);
if(TraLoiCauHoi[0]==DapAnDung[i][0]||DapAnDung[i][0]==TraLoiCauHoi[0]-32){
AmThanhCauTraLoi();
Command2(i);
//cout<<"=> Do la cau cau tra loi dung !"<<endl;

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system("clear");
}
else{
cout<<"=> Do la cau tra loi sai, rat tiec ban da phai dung cuoc choi o day !" <<endl;
system("canberra-gtk-play -f repfalse.wav");
system("canberra-gtk-play -f xinchao.wav");
exit(0);
}
}
else{
cout<<"=> Do la cau tra loi sai, rat tiec ban da phai dung cuoc choi o day !" <<endl;
system("canberra-gtk-play -f repfalse.wav");
system("canberra-gtk-play -f xinchao.wav");
exit(0);
}
}
fin.close();
}
//=====
//Dinh nghia ham - san sang va bat dau choi
void SanSang(string HoTen[],string QueQuan[]){
system("clear");
cout<<"=> Nguoi choi cua chung ta, ban "<<HoTen[SoNguoiChoi-1]<<" den tu "<<QueQuan[SoNguoiChoi-1]<<" !";
getline(cin,Enter);
system("canberra-gtk-play -f luatchoi.wav");
/*cout<<"=> Co tat ca 15 cau hoi dang doi ban !";
getline(cin,Enter);
cout<<"=> Co 3 moc cau hoi quan trong ban can vuot qua do la: ";
getline(cin,Enter);
cout<<"\t\t=> 5 <=";
getline(cin,Enter);
cout<<"\t\t=> 10 <=";
getline(cin,Enter);
cout<<"\t\t=> 15 <=";
getline(cin,Enter);*/
}
//-----
void BatDau(string Reply){
system("clear");
char y,n;
cout<<"=> Ban da san sang choi chua ? (y/n) - ";
getline(cin,Reply);
if(Reply=="y"){
system("canberra-gtk-play -f sansang.wav");
cout<<"=> Nguoi choi da san sang va chung ta bat dau di tim ai la trieu phu !";
getline(cin,Enter);
system("clear");
DocCauHoi(CauHoi,DapAnA,DapAnB,DapAnC,DapAnD,DapAnDung);
}
else if(Reply=="n"){
cout<<"=> HaizZz !!!" <<endl;
}
else{
cout<<"=> Nhap sai roi ban oi !" <<endl;
}
}
//=====
//Am thanh phan cau hoi
void AmThanhCauHoi(){
SoAmThanhCauHoi=15;
fstream fin("readsound.txt");
fin>>SoAmThanhCauHoi;
char temp[100];
fin.getline(temp,100);
for(int i=0;i<SoAmThanhCauHoi;i++){
getline(fin,ReadSound[i]);
}
}

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fin.close();
}
void Command1(int i){
string Cmd="canberra-gtk-play -f ";
Cmd+=ReadSound[i];
char Comd[100]={};
for(int j=0;j<100;j++){
Comd[j]='\0';
}
for(int j=0;j<Cmd.size();j++){
Comd[j]=Cmd.at(j);
}
system(Comd);
}
//Am thanh tra loi dung
void AmThanhCauTraLoi(){
SoAmThanhTraLoiDung=15;
fstream fin("reptruesound.txt");
fin>>SoAmThanhTraLoiDung;
char temp[100];
fin.getline(temp,100);
for(int i=0;i<SoAmThanhTraLoiDung;i++){
getline(fin,RepTrueSound[i]);
}
fin.close();
}
void Command2(int i){
string Cmd="canberra-gtk-play -f ";
Cmd+=RepTrueSound[i];
char Comd[100]={};
for(int j=0;j<100;j++){
Comd[j]='\0';
}
for(int j=0;j<Cmd.size();j++){
Comd[j]=Cmd.at(j);
}
system(Comd);
}
//=====
//Tro giup
void TroGiup(string NamMuoiNamMuoi[],string GoiDienThoai[],string HoiKhanGia[]){
SoTroGiup=1;
fstream fin("trogiup.txt");
fin>>SoTroGiup;
char temp[100];
fin.getline(temp,100);
for(int i=0;i<SoTroGiup;i++){
getline(fin,NamMuoiNamMuoi[i]);
getline(fin,GoiDienThoai[i]);
getline(fin,HoiKhanGia[i]);
//In ra man hinh
cout<<NamMuoiNamMuoi[i]<<"\t\t"<<GoiDienThoai[i]<<"\t\t"<<HoiKhanGia[i]<<endl;
}
cout<<"-----"<<endl;
fin.close();
}
//-----
//5050
void LoaiDapAnSai(string DapAnDung1[],string DapAnDung2[]){
SoCapDapAnDung=15;
fstream fin("5050.txt");
fin>>SoCapDapAnDung;
char temp[100];
fin.getline(temp,100);
for(int i=0;i<SoCapDapAnDung;i++){
getline(fin,DapAnDung1[i]);
getline(fin,DapAnDung2[i]);
}
}

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}  
fin.close();  
}  
//=====
```