**Cờ caro 3x3**

#include<iostream>

using namespace std;

char Ban\_Co[3][3]={'1','2','3','4','5','6','7','8','9'};

char Nguoi\_di\_truoc ='X';

char Nguoi\_di\_sau ='O';

void Ve\_Ban\_co()

{

for(int i=0;i<3;i++)

{

for(int j=0;j<3;j++)

{

cout<< Ban\_Co[i][j]<< " ";

}

cout << endl;

}

}

void Nhap\_X()

{

int a;

cout <<"Nguoi nhap X cac so tu 1 den 9 tren ban co :";cin>>a;

switch(a)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_truoc;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_truoc;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_truoc;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_truoc;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_truoc;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_truoc;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_truoc;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_truoc;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_truoc;break;

}

}

void Nhap\_O()

{

int b;

cout<<"Nguoi nhap O cac so tu 1 den 9 tren ban co:";cin>>b;

switch(b)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_sau;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_sau;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_sau;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_sau;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_sau;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_sau;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_sau;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_sau;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_sau;break;

}

}

void Nhap\_X1()

{

int a;

cout <<"Nguoi nhap X cac so tu 1 den 9 tren ban co :";cin>>a;

switch(a)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_truoc;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_truoc;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_truoc;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_truoc;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_truoc;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_truoc;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_truoc;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_truoc;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_truoc;break;

}

}

void Nhap\_O1()

{

int b;

cout<<"Nguoi nhap O cac so tu 1 den 9 tren ban co:";cin>>b;

switch(b)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_sau;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_sau;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_sau;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_sau;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_sau;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_sau;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_sau;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_sau;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_sau;break;

}

}

void Nhap\_X2()

{

int a;

cout <<"Nguoi nhap X cac so tu 1 den 9 tren ban co :";cin>>a;

switch(a)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_truoc;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_truoc;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_truoc;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_truoc;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_truoc;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_truoc;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_truoc;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_truoc;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_truoc;break;

}

}

void Nhap\_O2()

{

int b;

cout<<"Nguoi nhap O cac so tu 1 den 9 tren ban co:";cin>>b;

switch(b)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_sau;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_sau;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_sau;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_sau;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_sau;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_sau;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_sau;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_sau;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_sau;break;

}

}

void Nhap\_X3()

{

int a;

cout <<"Nguoi nhap X cac so tu 1 den 9 tren ban co :";cin>>a;

switch(a)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_truoc;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_truoc;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_truoc;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_truoc;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_truoc;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_truoc;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_truoc;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_truoc;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_truoc;break;

}

}

void Nhap\_O3()

{

int b;

cout<<"Nguoi nhap O cac so tu 1 den 9 tren ban co:";cin>>b;

switch(b)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_sau;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_sau;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_sau;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_sau;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_sau;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_sau;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_sau;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_sau;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_sau;break;

}

}

void Nhap\_X4()

{

int a;

cout <<"Nguoi nhap X cac so tu 1 den 9 tren ban co :";cin>>a;

switch(a)

{

case 1: Ban\_Co[0][0]=Nguoi\_di\_truoc;break;

case 2: Ban\_Co[0][1]=Nguoi\_di\_truoc;break;

case 3: Ban\_Co[0][2]=Nguoi\_di\_truoc;break;

case 4: Ban\_Co[1][0]=Nguoi\_di\_truoc;break;

case 5: Ban\_Co[1][1]=Nguoi\_di\_truoc;break;

case 6: Ban\_Co[1][2]=Nguoi\_di\_truoc;break;

case 7: Ban\_Co[2][0]=Nguoi\_di\_truoc;break;

case 8: Ban\_Co[2][1]=Nguoi\_di\_truoc;break;

case 9: Ban\_Co[2][2]=Nguoi\_di\_truoc;break;

}

}

char Nguoi\_thang\_cuoc()

{

if(Ban\_Co[0][0]=='X'&& Ban\_Co[0][1]=='X'&& Ban\_Co[0][2]=='X')

return'X';

if(Ban\_Co[1][0]=='X'&& Ban\_Co[1][1]=='X'&& Ban\_Co[1][2]=='X')

return'X';

if(Ban\_Co[2][0]=='X'&& Ban\_Co[2][1]=='X'&& Ban\_Co[2][2]=='X')

return'X';

if(Ban\_Co[0][0]=='X'&& Ban\_Co[1][0]=='X'&& Ban\_Co[2][0]=='X')

return'X';

if(Ban\_Co[0][1]=='X'&& Ban\_Co[1][1]=='X'&& Ban\_Co[2][1]=='X')

return'X';

if(Ban\_Co[0][2]=='X'&& Ban\_Co[1][2]=='X'&& Ban\_Co[2][2]=='X')

return'X';

if(Ban\_Co[2][0]=='X'&& Ban\_Co[1][1]=='X'&& Ban\_Co[0][2]=='X')

return'X';

if(Ban\_Co[0][0]=='X'&& Ban\_Co[1][1]=='X'&& Ban\_Co[2][2]=='X')

return'X';

if(Ban\_Co[0][0]=='O'&& Ban\_Co[0][1]=='O'&& Ban\_Co[0][2]=='O')

return'O';

if(Ban\_Co[1][0]=='O'&& Ban\_Co[1][1]=='O'&& Ban\_Co[1][2]=='O')

return'O';

if(Ban\_Co[2][0]=='O'&& Ban\_Co[2][1]=='O'&& Ban\_Co[2][2]=='O')

return'O';

if(Ban\_Co[0][0]=='O'&& Ban\_Co[1][0]=='O'&& Ban\_Co[2][0]=='O')

return'O';

if(Ban\_Co[0][1]=='O'&& Ban\_Co[1][1]=='O'&& Ban\_Co[2][1]=='O')

return'O';

if(Ban\_Co[0][2]=='O'&& Ban\_Co[1][2]=='O'&& Ban\_Co[2][2]=='O')

return'O';

if(Ban\_Co[2][0]=='O'&& Ban\_Co[1][1]=='O'&& Ban\_Co[0][2]=='O')

return'O';

if(Ban\_Co[0][0]=='O'&& Ban\_Co[1][1]=='O'&& Ban\_Co[2][2]=='O')

return'O';

return '2 ben hoa';

}

int main()

{

Ve\_Ban\_co();

Nhap\_X();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_O();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_X1();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_O1();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_X2();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_O2();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_X3();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_O3();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

Nhap\_X4();

if(Nguoi\_thang\_cuoc()=='X')

{

cout<<"X la nguoi chien thang:"<<endl;

return 0;

}

else if(Nguoi\_thang\_cuoc()=='O')

{

cout<<"O la nguoi chien thang:"<<endl;

return 0;

}

Ve\_Ban\_co();

cout<<"ket thuc tro choi! hoa co"<<endl;

return 0;

}