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#include stdafx.h
#include iostream
#include cstdlib
#include iomanip

using namespace std;
int display1(char array1[]);
int enter1(char e_array1[],char e1);
int enter2(char e_array2[],char e2);
int display2(char array2[]);
int change1(char carray1[],char ischange1);
int change2(char carray2[],char ischange2);
void win (char winarray[],int wcount);
void main()
{
    char array[9] = {'Q','W','E','A','S','D','Z','X','C'};
    char ent1= 0;
    char ent2= 0;
    int count = 0;
    display1(array);
    while(1)
    {
        enter1(array,ent1);
        count ++;
        display2(array);
        win (array,count);
        enter2(array,ent2);
        count++;
        display2(array);
        win (array,count);
    }
}
int display1(char array1[])
{
    for(int i = 0;i=8;i++)
    {
        if((i+1)%3 == 0 )
        {
            cout array1[i];
                cout endl;
        }
        else
        {
            cout array1[i] setw(2);
        }
    }
    return 0;
}
int enter1(char e_array1[],char e1)
```

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{
    cout 選擇數字 : endl;
    cin e1;
    for(int j=0;j<9;j++)
    {
        if(e_array1[j] == e1)
        {
            change1(e_array1,e1);
            break;
        }
        else if((e_array1[j] != e1) && (j+1 == 9))
        {
            cout 數字不對請重新輸入 endl;
            cout endl;
            enter1(e_array1,e1);
            break;
        }
    }
    return 0;
}

int enter2(char e_array2[],char e2)
{
    cout 選擇數字 : endl;
    cin e2;
    for(int k=0;k<9;k++)
    {
        if(e_array2[k] == e2)
        {
            change2(e_array2,e2);
            break;
        }
        else if((e_array2[k] != e2) && (k+1 == 9))
        {
            cout 數字不對請重新輸入 : endl;
            cout endl;
            enter2(e_array2,e2);
            break;
        }
    }
    return 0;
}

int display2(char array2[])
{
    for(int l = 0;l<8;l++)
    {
        if((l+1)%3 == 0 )
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        {
            cout array2[1];
            cout endl;
        }
    else
    {
        cout array2[1] setw(3);
    }
}
return 0;
}
int change1(char carray1[],char ischange1)
{
    for(int k=0;k=8;k++)
    {
        if(carray1[k] == ischange1)
        {
            carray1[k] = 'O';
        }
    }
    return 0;
}
int change2(char carray2[],char ischange2)
{
    for(int k=0;k=8;k++)
    {
        if(carray2[k] == ischange2)
        {
            carray2[k] = 'X';
        }
    }
    return 0;
}
void win (char winarray[],int wcount)
{
    char check = 0;
    if((winarray[0]=='O'&&(winarray[1]=='O')&&(winarray[2]=='O'))
        ((winarray[3]=='O')&&(winarray[4]=='O')&&(winarray[5]=='O'))
        ((winarray[6]=='O')&&(winarray[7]=='O')&&(winarray[8]=='O'))
        ((winarray[0]=='O')&&(winarray[3]=='O')&&(winarray[6]=='O'))
        ((winarray[1]=='O')&&(winarray[4]=='O')&&(winarray[7]=='O'))
        ((winarray[2]=='O')&&(winarray[5]=='O')&&(winarray[8]=='O'))
        ((winarray[0]=='O')&&(winarray[4]=='O')&&(winarray[8]=='O'))
        ((winarray[2]=='O')&&(winarray[4]=='O')&&(winarray[6]=='O'))))
    {
        cout  圈圈win endl;
    }
}

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cout again(YN)? endl;
cin check;
while(1)
{
    if((check == 'Y')(check == 'y'))
    {
        cout ===== endl;
        main();
    }
    else if((check == 'N')(check == 'n'))
    {
        exit(1);
    }
    else
    {
        cout 指令不正確請重新輸入： endl;
        cin check;
    }
}
}
else if(((winarray[0]=='X')&&(winarray[1]=='X')&&(winarray[2]=='X'))
((winarray[3]=='X')&&(winarray[4]=='X')&&(winarray[5]=='X'))
((winarray[6]=='X')&&(winarray[7]=='X')&&(winarray[8]=='X'))
((winarray[0]=='X')&&(winarray[3]=='X')&&(winarray[6]=='X'))
((winarray[1]=='X')&&(winarray[4]=='X')&&(winarray[7]=='X'))
((winarray[2]=='X')&&(winarray[5]=='X')&&(winarray[8]=='X'))
((winarray[0]=='X')&&(winarray[4]=='X')&&(winarray[8]=='X'))
((winarray[2]=='X')&&(winarray[4]=='X')&&(winarray[6]=='X'))))
{
    cout 叉叉win endl;
    cout again(YN)? endl;
    cin check;
    while(1)
    {
        if((check == 'Y')(check == 'y'))
        {
            cout ===== endl;
            main();
        }
        else if((check == 'N')(check == 'n'))
        {
            exit(1);
        }
        else
        {
            cout 指令不正確請重新輸入： endl;
            cin check;
        }
    }
}

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    }  
}  
else  
{  
    if(wcount == 9)  
    {  
        cout << "平手" << endl;  
        cout << "again(Y/N)? " << endl;  
        cin >> check;  
        while(1)  
        {  
            if((check == 'Y')(check == 'y'))  
            {  
                cout << "=====  
                main();  
            }  
            else if((check == 'N')(check == 'n'))  
            {  
                exit(1);  
            }  
            else  
            {  
                cout << "指令不正確請重新輸入：" << endl;  
                cin >> check;  
            }  
        }  
    }  
}  
}
```