#include < iostream >

#include < iomanip>

using namespace std;

int main ()

{

char a[13][6];

int random;

for ( int i =0; i < 13; i++)

for ( int j = 0; j < 6; j++)

{

random = rand()%100;

if ( random <= 50 )

a[i][j]= 'x';

else

a[i][j]= '\*';

}

cout << " Bang cho ngoi"<< endl;

int gt=65;

cout << setw(10) ;

do

{

cout << (char)gt << setw(3);

gt++;

}while ( gt <= 70);

cout << endl;

for ( int i = 0; i<13; i++)

{

cout << "Hang " << setw(2)<< i+1 << setw(3);

for ( int j = 0; j < 6; j++)

{

cout << a[i][j]<< setw(3);

}

cout << endl;

}

cout <<endl;

cout << " ( \*: cho con trong, x: cho da dat.)" << endl;

int chon;

do

{

cout << " \n 0. Thoat Menu";

cout << " \n 1. Ve thuong gia ( 1000000 VND)";

cout << " \n 2. Ve pho thong ( 800000 VND)";

cout << " \n 3. Ve tiet kiem ( 600000 VND)";

cout << " \n 4. Bang cho ngoi "<< endl;

cin >> chon ;

switch ( chon)

{

case 1:

{

int sove,dem=1, hang;

char day;

cout << " \n Quy khach muon dat bao nhieu ve " ;

cin >> sove;

cout << " Ve hang thuong gia bao gom hang 1 va 2"<< endl;

do

{

cout << " Vui long chon cho ngoi" << endl;

cout << " Ghe dat thu " << dem << endl;

do

{

cout << " Chon hang 1 hoac hang 2: " ;

cin >> hang;

if( hang >= 3 || hang <= 0 )

cout << " Nhap sai. Vui long nhap lai!" ;

}while( hang >= 3 || hang <= 0 );

do

{

cout << " Chon tu day 'A' den ' F' : " ;

cin >> day;

if ( day < 'A' || day > 'F')

cout << " Nhap sai. Vui long nhap lai! \n " ;

}while( day < 'A' || day > 'F');

while( a[hang -1][(int)day -65]== 'x')

{

cout << " Ghe nay da co nguoi dat. Xin quy khach vui long chon ghe trong." << endl;

cout << " Vui long chon cho ngoi" << endl;

cout << " Ghe dat thu " << dem << endl;

do

{

cout << " Chon hang 1 hoac hang 2: " ;

cin >> hang;

if( hang >= 3 || hang <= 0 )

cout << " Nhap sai. Vui long nhap lai!" ;

}while( hang >= 3 || hang <= 0 );

do

{

cout << " Chon tu day 'A' den ' F' : " ;

cin >> day;

if ( day < 'A' || day > 'F')

cout << " Nhap sai. Vui long nhap lai! \n " ;

}while( day < 'A' || day > 'F');

}

a[hang -1][(int)day -65]= 'x';

dem ++;

}while ( dem <= sove);

cout << " So tien quy khach phai thanh toan la: " << sove\*1000000 << endl;

}

break;

case 2:

{

int sove,dem=1, hang;

char day;

cout << " \n Quy khach muon dat bao nhieu ve " ;

cin >> sove;

cout << " Ve hang pho thong gom tu hang 3 den hang 7" << endl;

do

{

cout << " Vui long chon cho ngoi" << endl;

cout << " Ghe dat thu "<< dem << endl;

do

{

cout << " Chon ghe tu hang 3 den hang 7: " ;

cin >> hang;

if(hang > 7 || hang < 3 )

cout << " Nhap sai. Vui long nhap lai!" ;

}while( hang > 7 || hang < 3 );

do

{

cout << " Chon tu day 'A' den ' F' : " ;

cin >> day;

if ( day < 'A' || day > 'F')

cout << " Nhap sai. Vui long nhap lai! \n " ;

}while( day < 'A' || day > 'F');

while( a[hang -1][(int)day -65]== 'x')

{

cout << " Ghe nay da co nguoi dat. Xin quy khach vui long chon ghe trong." << endl;

cout << " Vui long chon cho ngoi" << endl;

cout << " Ghe dat thu " << dem << endl;

do

{

cout << " Chon ghe tu hang 3 den hang 7: " ;

cin >> hang;

if(hang > 7 || hang < 3 )

cout << " Nhap sai. Vui long nhap lai!" ;

}while( hang > 7 || hang < 3 );

do

{

cout << " Chon tu day 'A' den ' F' : " ;

cin >> day;

if ( day < 'A' || day > 'F')

cout << " Nhap sai. Vui long nhap lai! \n " ;

}while( day < 'A' || day > 'F');

}

a[hang -1][(int)day -65]= 'x';

dem ++;

}while ( dem <= sove);

cout << " So tien quy khach phai thanh toan la: " << sove\*800000 << endl;

}

break;

case 3:

{

int sove,dem=1, hang;

char day;

cout << " \n Quy khach muon dat bao nhieu ve " ;

cin >> sove;

cout << " Ve hang tiet kiem gom tu hang 8 den hang 13: " << endl;

do

{

cout << " Vui long chon cho ngoi" << endl;

cout << " Ghe dat thu "<< dem << endl;

do

{

cout << " Chon ghe tu hang 8 den hang 13: " ;

cin >> hang;

if(hang > 13 || hang < 8 )

cout << " Nhap sai. Vui long nhap lai!" ;

}while( hang > 13 || hang < 8 );

do

{

cout << " Chon tu day 'A' den ' F' : " ;

cin >> day;

if ( day < 'A' || day > 'F')

cout << " Nhap sai. Vui long nhap lai! \n " ;

}while( day < 'A' || day > 'F');

while( a[hang -1][(int)day -65]== 'x')

{

cout << " Ghe nay da co nguoi dat. Xin quy khach vui long chon ghe trong." << endl;

cout << " Vui long chon cho ngoi" << endl;

cout << " Ghe dat thu " << dem << endl;

do

{

cout << " Chon ghe tu hang 8 den hang 13: " ;

cin >> hang;

if(hang > 13 || hang < 8 )

cout << " Nhap sai. Vui long nhap lai!" ;

}while( hang > 13 || hang < 8 );

do

{

cout << " Chon tu day 'A' den ' F' : " ;

cin >> day;

if ( day < 'A' || day > 'F')

cout << " Nhap sai. Vui long nhap lai! \n " ;

}while( day < 'A' || day > 'F');

}

a[hang -1][(int)day -65]= 'x';

dem ++;

}while ( dem <= sove);

cout << " So tien quy khach phai thanh toan la: " << sove\*600000 << endl;

}

break;

case 4:

{

cout << setw(10) ;

do

{

cout << (char)gt << setw(3);

gt++;

}while ( gt <= 70);

cout << endl;

for ( int i = 0; i<13; i++)

{

cout << "Hang " << setw(2)<< i+1 << setw(3);

for ( int j = 0; j < 6; j++)

{

cout << a[i][j]<< setw(3);

}

cout << endl;

}

cout << endl;

cout << " ( \*: cho con trong, x: cho da dat.)" << endl;

}

break;

}

}while ( chon !=0);

system ( " pause" );

return 0;

}