

กลุ่มหมาเขมร

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Code

```
#include <iostream>

#include <fstream>

#include <string>

using namespace std;

class Khmer_dog_park{
public:
    int package,i,ans;
    int price,amount;
    int sum=0;
    int
bank500,bank100,bank50,bank20,sib,ha,song,one;
    float hight;
    Khmer_dog_park();
    void showMenu(){
        cout << "-----\n  Menu\n-----\n[1]package
detail\n[2]check hight\n[3]choose package\n[4]pay\n[0]Exit"
<< endl;
    }
    int setPackage(int a)
    {
        int pack = a;
        for(int i=1; i<=pack;i++){
```

```
        cout << "-----\nchoose package\n-----  
--\n[1]Extream package 300 baht\n[2]Family package 250  
baht\n[3]Other package 200 baht\n[4]All you can play package  
400 baht\n[0]Exit" << endl;
```

```
        cout << "\n|member #" << i << "choose : ";
```

```
        cin >> ans;
```

```
        if(ans==1){
```

```
            sum+=300;
```

```
        }
```

```
        if(ans==2){
```

```
            sum+=250;
```

```
        }
```

```
        if(ans==3){
```

```
            sum+=200;
```

```
        }
```

```
        if(ans==4){
```

```
            sum+=400;
```

```
        }
```

```
        if(ans==0){
```

```
            break;
```

```
        }
```

```
        if (ans<0 or ans>4){
```

```
            cout << "!!Pls try again!!" << endl;
```

```
            break;
```

```
        }
```

```

    }
    return sum;
}

//???? package ??? ???

float getHigh(){
    cout << "-----\n#Tell me your
hight#\n-----" << endl;

    cout << "Enter your hight :";
    cin >> hight;
    return hight;
}

//????????????????

int showPackage(){
    cout << "-----\npackage\n-----\n#Extream
package# 300 baht#\n-Roller Coaster\n-Raptor\n-Falcon\n-
Viking\n" << endl;

    cout << "#Family package# 250 baht#\n-bouncing
castle\n-inflatable house\n-swan boat\n" << endl;

    cout << "#Other package# 200 baht#\n-carousel
and giant house\n\n#All you can play package# 400 baht#\n-
you can play anything you want in Khmerdogpark\n" << endl;

    return 1;

}

//???????????????????? package????????
//???????????????????? package????????

};

```

```

class Rule:public Khmer_dog_park{
    public:
        void checkRule(){
            if (hight>=131){
                cout << "\nyou can play #Extream-zone#
#carousel and giant house#" << endl;
            }else{
                cout << "\nyou can play #Family-zone# #carousel
and giant house#" << endl;
            }
        }
    }//????????????????????????????????????????
};

class customer:public Rule{
    public:
        customer();
        int chooseMenu(){
            cout << "choose : ";
            cin >> i;
            if (i==0){
                cout << "Thank you for using the service" <<
endl;

                i = -1;
            }
            return i;
        }
}

```

```

void billCustomer(int p ,int a){
    price=p;
    amount=a;
    price = price - amount;
    //?????500
    cout << "change : " <<price << " bath" << endl;
    cout << "Thank you!!!" << endl;
}

```

```

void writBill(int p ,int a){
    price=p;
    amount=a;
    ofstream f("bill.txt");
    f << "-----Bill-----" << endl;
    f << "|Price : " <<amount << " bath" << endl;
    f << "|Pay : " << price << endl;
    price = price - amount;
    //?????500
    f << "|change : " <<price << " bath" << endl;
    bank500 = price/500;
    if (bank500 >= 1)
    {
        f << "|500 baht bill = " << bank500 << endl;
    }
    price = price-bank500*500;
}

```

```
//?????100
bank100 = price/100;
if (bank100 >= 1)
{
    f << "| 100 bath bill = " << bank100 << endl;
}
price = price-bank100*100;

//?????50
bank50 = price/50;
if (bank50 >= 1)
{
    f << "| 50 bath bill = " << bank50 << endl;
}
price = price-bank50*50;

//?????20
bank20 = price/20;
if (bank20 >= 1)
{
    f << "| 20 bath bill = " << bank20 << endl;
}
price = price-bank20*20;

//????? 10
sib = price/10;
if (sib >= 1)
```

```

{
    f << "| 10 bath coins = " << sib << endl;
}
price = price-sib*10;
//?????? 5
ha = price/5;
if (ha >= 1)
{
    f << "| 5 bath coins = " << ha << endl;
}
price = price-ha*5;
//?????? 2
song = price/2;
if (song >= 1)
{
    f << "| 2 bath coin = " << song << endl;
}
price = price-song*2;
//?????? 1
if (price >= 1)
{
    f << "| 1 bath coin = " << price << endl;
}
f << "!!!!!!Thank you!!!!!" << endl;

```



```

        f.close();
    }

    void discount();

    double discount(double amount);

    double discount(double amount,const string &level);

};

Khmer_dog_park::Khmer_dog_park(){
    cout << "\n-----\nWelcome to
Khmerdogpark\n-----" << endl;

    i=0;
}

customer::customer(){
    cout << "\nA group has been created\n" << endl;
}

void customer :: discount(){
    cout << "you don't get the discount" << endl;
}

double customer :: discount(double amount){
    return (amount)-(amount*0.05);
}

double customer :: discount(double amount,const string
&level){
    double rate = 0;

    if (level == "Y" or "y"){

```

```

        rate = 0.2;
    }
    return (amount)-(amount*rate);
}

```

```

int main()
{
    customer player;
    int i=0;
    int amount,pp,member;
    int price;
    string check,check_card;
    double discount;
    cout << "How many poeple in your group : ";
    cin >> member;
    pp = member;
    while(i>=0)
    {
        player.showMenu();
        i = player.chooseMenu();
        if (i==1){
            player.showPackage();

```

```

    }
    if (i==2){
        player.getHigh();
        player.checkRule();
    }
    if (i==3){
        member = pp;
        amount = player.setPackage(member);
        discount= amount;
        cout << "PRICE : " <<amount << endl;
        cout << "Do you have a membership card? (Y/N) : ";
        cin >> check;
        if(check == "Y" or check == "y"){
            discount = player.discount(amount,"y");
            cout << "Price : " << discount << endl;
        }
        if(check == "N" or check == "n" and member >=5){
            discount = player.discount(amount);
            cout << "we are offering a special discount
5%."<< endl;
            cout << "Price : " << discount << endl;
        }else if(check == "N" or check == "n" and member
<=5){
            player.discount();

```

```

    }
    }
    if (i==4){
        cout << "Price : " <<discount << " bath" << endl;
        cout << "Pay : ";
        cin >> price ;
        if (price>=discount){
            player.billCustomer(price,discount);
            player.writBill(price,discount);
            break;
        }else{
            cout << "\n!!!!!!Not enough money to
pay!!!!!!\n" << endl;
        }
    }
    if (i==0){
        break;
    }
    if (i<0 or i>4){
        cout << "!!Pls try again!!" << endl;
    }

};
}

```

ผลลัพธ์ของ code

หน้าโปรแกรมหลัก

```
-----  
Welcome to Khmerdogpark  
-----  
  
A group has been created  
  
How many poeple in your group : 
```

หน้าเลือกเมนู

```
-----  
Menu  
-----  
[1]package detail  
[2]check hight  
[3]choose package  
[4]pay  
[0]Exit  
choose :
```

รายละเอียดของแพคเกจ

```
-----  
package  
-----  
#Extream package# 300 baht#  
-Roller Coaster  
-Raptor  
-Falcon  
-Viking  
  
#Family package# 250 baht#  
-bouncing castle  
-inflatable house  
-swan boat  
  
#Other package# 200 baht#  
-carousel and giant house  
  
#All you can play package# 400 baht#  
-you can play anything you want in Khmerdogpark
```

หน้าตรวจสอบส่วนสูง

```
-----  
#Tell me your hight#  
-----  
Enter your hight :
```

หน้าเลือกแพคเกจ

```
-----  
choose package  
-----  
[1]Extream package 300 baht  
[2]Family package 250 baht  
[3]Other package 200 baht  
[4]All you can play package 400 baht  
[0]Exit
```

หน้าคิดเงินและหน้าแสดงเงินทอง

```
-----  
[1]package detail  
[2]check hight  
[3]choose package  
[4]pay  
[0]Exit  
choose : 4  
Price : 320 bath  
Pay : 320  
change : 0 bath  
Thank you!!!
```

```
-----Bill-----  
| Price : 320 bath  
| Pay : 320  
| change : 0 bath  
|!!!!Thank you!!!!
```