



programming

# P2 : code

---

Input customer name

```
Console.WriteLine("name of customer : ");
```

---

Select and type the correct customer type

```
Console.WriteLine("please select type of customer");  
Console.WriteLine("press 1 if you are household customer, then press enter");  
Console.WriteLine("press 2 if you are administrative agency,then press enter");  
Console.WriteLine("press 3 if you are production unit,then press enter");  
Console.WriteLine("press 4 if you are business service,then press enter");
```

---

Type total family member if  
customer is household

```
// household customer  
// require total members of family  
Console.WriteLine("type total members of family");  
int numbermember = Convert.ToInt32(Console.ReadLine());
```

---

If member is more or equal 1  
then type last month and this  
month water number

```
if (numbermember >= 1)
{
    Console.WriteLine("type last month water number");
    int waternumberlastmonth = Convert.ToInt32
        (Console.ReadLine());
    Console.WriteLine("type this month water number");
    int waternumbercurrentmonth = Convert.ToInt32
```

---

If last month water number  $\geq$   
current month then take current  
month - last month and  
waternumberpeople =  
waternumber/ total member

```
if (waternumberlastmonth >= waternumbercurrentmonth)
{
    int waternumber = waternumbercurrentmonth - waternumberlastmonth;
    double waternumberpeople = waternumber / numbermember;
    double money = 0;
```

---

If waternumberpeople > 0 &&  
waternumber <= 10 then total money  
= waternumber \* 5973 \* 1.1

```
if (waternumberpeople > 0 && waternumber <= 10)
{
    money = waternumber * 5973 * 1.1;
}
```

---

Else if waternumberpeople >10 &&  
waternumberpeople < 20 then  
money = waternumber \* 7051 \*1.1

```
else if (waternumberpeople > 10 && waternumberpeople < 20)  
{  
    money = waternumber * 7051 * 1.1;  
}
```



---

Else if waternumberpeople >20 &&  
waternumberpeople <=30 then  
money = waternumber \* 8699 \* 1.1

```
else if (waternumberpeople > 20 && waternumberpeople <= 30)  
{  
    money = waternumber * 8699 * 1.1;  
}
```

---

Else is the waternumberpeople > 30  
so money = waternumber \* 15929 \*  
1.1 and final result will be total  
waternumber of household

```
else
{
    money = waternumber * 15929 * 1.1;
}
Console.WriteLine("the total waternumber of your family is : {0}", money);
```

---

Water number of last month not always >  
this month

```
else  
{  
    Console.WriteLine("last month water number isn't larger than this month water number");  
}
```

---

Calculate total waternumber of agency, begin  
by type last month and current month  
waternumber

```
// administrative agency customer
Console.WriteLine("type last month water number");
int waterlastmonth = Convert.ToInt32(Console.ReadLine());
Console.WriteLine("type this month water number");
int watercurrentmonth = Convert.ToInt32(Console.ReadLine());
```

---

In case water current month  $\geq$  last month  
then we have formula (current – last month) \*  
price \* 1.1 , in the end we have total  
water number of agency

```
if (watercurrentmonth >= waterlastmonth)
{
    double m = (watercurrentmonth - waterlastmonth) * 9955 * 1.1;
    Console.WriteLine("total water number of administrative agency is {0}", m);
}
```

---

Second is production unit ,we also type last and current month water number

```
// production unit customer
Console.WriteLine("type last month water number");
int waterlastmonth = Convert.ToInt32(Console.ReadLine());
Console.WriteLine("type this month water number");
int watercurrentmonth = Convert.ToInt32(Console.ReadLine());
```

---

If water current  $\geq$  water last month then  
we also follow formula (current - last) \*  
price \* 1.1 and we have total  
waternumber

```
if (watercurrentmonth >= waterlastmonth)
{
    double m = (watercurrentmonth - waterlastmonth) * 11.615 * 1.1;
    Console.WriteLine("total water number of production unit is {0}", m);
}
```

---

With business service we also type last and current month waternumber

```
// business service customer
Console.WriteLine("type last month water number");
int waterlastmonth = Convert.ToInt32(Console.ReadLine());
Console.WriteLine("type this month water number");
int watercurrentmonth = Convert.ToInt32(Console.ReadLine());
```



---

The same as agency and production unit, we follow formula (current – last) \* price \* 1.1 and we have the total waternumber

```
if (watercurrentmonth >= waterlastmonth)
{
    double m = (watercurrentmonth - waterlastmonth) * 22.068 * 1.1;
    Console.WriteLine("total water number of business service is {0}", m);
}
```

Output is the total  
waternumber of  
chosen customer type

