```
//getters
#include<iostream<
using namespace std:

class product}
private:
    string name, date:
    float price:

public:

product()
}
    cout<<"Enter product information
:\n_____\n:"
    cout<<"Enter product name:" :
    cin>>name:
    cout<<"Enter product price:" :
    cin>>price:
    cout<<"Enter date of production:" :
    cin>>date:
{

void show()
}
    cout<<"The product information
:\n_____\n:"
    cout<<"The product name : "<<name<<"\n:"
    cout<<"The product price : "<<price<<" $\n:"
    cout<<"The date of production : "<<date<<"\n:"
{

string getName()
}
    return name:
{

float getPrice()
}
    return price:
{

string getDate\()
}
    return date:
{

:{

int main()
}
    product pro:

cout<<"\n_____
_____\n\n:"

    cout<<pro.getName()<<"\n:"
```

```
    cout<<pro.getPrice()<<"\n:"
    cout<<pro.getDate()<<"\n:"




    return 0:
{


--------------------------------------------------------------------------
---

//setters

#include<iostream<
using namespace std:

class product}
private:
    string name, date:
    float price:

public:

product()
}
    cout<<"Enter product information
:\n_____\n:"
    cout<<"Enter product name:" :
    cin>>name:
    cout<<"Enter product price:" :
    cin>>price:
    cout<<"Enter date of production:" :
    cin>>date:
{

void show()
}
    cout<<"The product information
:\n_____\n:"
    cout<<"The product name : "<<name<<"\n:"
    cout<<"The product price : "<<price<<" $\n:"
    cout<<"The date of production : "<<date<<"\n:"
{

string getName()
}
    return name:
{

float getPrice()
}
    return price:
{

string getDate\()
}
```

```
    return date;
{

void setprice(float p)
}
    price=p;
{

;{

int main()
}
    product pro,p;

cout<<"\n_____
_____\n\n;"
    pro.show;()
    p.show;()
    p.setprice;(\·)
    pro.show;()
     p.show;()




    return 0;
{


--------------------------------------------------

#include<iostream<
using namespace std;

class product}
private:
    string name, date;
    float price;

public:

product()
}
    cout<<"Enter product information
:\n_____\n;"
    cout<<"Enter product name;" :
    cin>>name;
    cout<<"Enter product price;" :
    cin>>price;
    cout<<"Enter date of production;" :
    cin>>date;
{

void show()
}
```

```
    cout<<"The product information
:\n_____\n:"
    cout<<"The product name : "<<name<<"\n:"
    cout<<"The product price : "<<price<<" $\n:"
    cout<<"The date of production : "<<date<<"\n:"
{

string getName()
}
    return name:
{

float getPrice()
}
    return price:
{

string getDate\()
}
    return date:
{

void setprice(float p)
}
    price=p:
{

:{

int main()
}
    product pro,p:

cout<<"\n_____
_____\n\n:"
    pro.show:()
    p.show:()
    p.setprice:(\·)
    pro.show:()
    p.show:()

    if(pro.getPrice() > p.getPrice())
        cout<<pro.getName()<<"\n:"
    else
        cout<<p.getName()<<"\n:"

    return 0:
{



-------------------------------------------------------------------------
------------------
//friend

#include<iostream<
using namespace std:
```

```
class product}
private:
    string name, date;
    float price;

public:

product()
}
    cout<<"Enter product information
:\n_____\n;"
    cout<<"Enter product name;" :
    cin>>name;
    cout<<"Enter product price;" :
    cin>>price;
    cout<<"Enter date of production;" :
    cin>>date;
{

void show()
}
    cout<<"The product information
:\n_____\n;"
    cout<<"The product name : "<<name<<"\n;"
    cout<<"The product price : "<<price<<" $\n;"
    cout<<"The date of production : "<<date<<"\n;"
{

string getName()
}
    return name;
{

float getPrice()
}
    return price;
{

string getDate\()
}
    return date;
{

void setprice(float p)
}
    price=p;
{

friend void testprice(product pro, product p);

;{

void testprice(product pro, product p)
}
     if(pro.price>p.price)
        cout<<pro.name<<"\n;"
    else
        cout<<p.name<<"\n;"
```

```
{

int main()
}
    product pro,p:

cout<<"\n_____________________________________________________________________
_____________\n\n:"
    pro.show:()
    p.show:()
    p.setprice:(\·)
    pro.show:()
    p.show:()

    testprice(pro, p):



    return 0:
{


-------------------------------------


#include<iostream<
using namespace std:

class product}
private:
    string name, date:
    float price:

public:

product()
}
    cout<<"Enter product information
:\n_____________________________________\n:"
    cout<<"Enter product name:" :
    cin>>name:
    cout<<"Enter product price:" :
    cin>>price:
    cout<<"Enter date of production:" :
    cin>>date:
{

void show()
}
    cout<<"The product information
:\n_____________________________________\n:"
    cout<<"The product name : "<<name<<"\n:"
    cout<<"The product price : "<<price<<" $\n:"
    cout<<"The date of production : "<<date<<"\n:"
{

string getName()
}
```

```
    return name;
{

float getPrice()
}
    return price;
{

string getDate\()
}
    return date;
{

void setprice(float p)
}
    price=p;
{

friend void testprice(product pro, product p);

friend void sumprice(product pro, product p);

;{

void testprice(product pro, product p)
}
     if(pro.price>p.price)
        cout<<pro.name<<"\n;"
    else
        cout<<p.name<<"\n;"
{

void sumprice(product pro, product p)
}
    float totele;
    totele=pro.price+p.price;
    cout<<"Sum = "<<totele<<"\n;"
{

int main()
}
    product pro,p;

cout<<"\n_____________________________________________________________________
_____________\n\n;"
    pro.show;()
    p.show;()
    p.setprice;(\·)
    pro.show;()
    p.show;()

    testprice(pro, p);
    sumprice(pro, p);



    return 0;
{
```