

```
/*  
* Author:Solethu 219325561  
* publisher : Solethu Liganiso  
* Description : print content of items Part number,  
* Quantity,amount,price  
* Date created 2021/09/22  
* Due Date:2021/09/27  
*  
*/
```

```
#include<iostream>
```

```
#include<string>
```

```
using namespace std;
```

```
class invoice{
```

```
private:
```

```
    string Part_number;
```

```
    string Part_descript;
```

```
    int Quantity;
```

```
    int Price_per_item;
```

```
    int Invoice_amount;
```

```
public:
```

```
    invoice(string,string,int,int,int);
```

```
    void setPart_num(string);
```

```
    string getPart_num()const;
```

```
    void setPart_description(string);
```

```
    string getPart_description()const;
```

```
    void setQuantity(int);
```

```
    int getQuantity()const;
```

```
    void setPrice(int);
```

```
        int getPrice()const;

        void setAmount(int);

        int getAmount()const;

};
```

```
#include<iostream>

#include<string>

#include"ClassInvoice.h"

using namespace std;
```

```
invoice::invoice(string partNum,string partDescrip,int qty,int price,int amount){
```

```
    Part_number=partNum;

    Part_descript=partDescrip;

    setQuantity(qty);

    setPrice(price);
```

```
    if(Price_per_item>0)

    {
```

```
        Price_per_item=price;

    }
```

```
    else
```

```
    {

        Price_per_item=1;
```

```
    }
```

```
    if(Quantity>0)
```

```

{

    Quantity=qty;
}

else
{
    Quantity=1;
}

if(Invoice_amount>0)
{
    Invoice_amount=amount;
}

else
{
    Invoice_amount=1;
}
}

void invoice::setPart_num(string partNum)
{
    Part_number=partNum;
}

string invoice::getPart_num()const
{
    return Part_number;
}

void invoice::setPart_description(string partDescrip)

```

```

{
    Part_descript=partDescrip;
}

string invoice::getPart_description()const
{
    return Part_descript;
}

void invoice::setQuantity(int qty)
{
    if(Quantity>0){

        Quantity=qty;
    }
    else{

        Quantity=1;
    }

}

int invoice::getQuantity()const
{
    return Quantity;
}

void invoice::setPrice(int price)
{
    if(Price_per_item>0)
    {

        Price_per_item=price;
    }
else
{

```

```

        Price_per_item=1;
    }

}

int invoice::getPrice()const
{
    return Price_per_item;
}

void invoice::setAmount(int amount)
{

    if(Invoice_amount>0)
    {
        Invoice_amount=amount;
    }
    else
    {
        Invoice_amount=1;
    }

}

int invoice::getAmount()const
{
    return getPrice()*getQuantity();
}

```

```

#include<iostream>

```

```

#include<string>

```

```

#include "ClassInvoice.h"

#include <iomanip>

using namespace std;

int main()
{

    invoice item("12345", "hummer", 100.564, 5.78, 0);

    cout<<fixed<<showpoint<<setprecision(2)<<endl;

    cout<<"Description : "<<item.getPart_description()<<endl;

    cout<<"Part number : "<<item.getPart_num()<<endl;

    cout<<"Quantity  : "<<item.getQuantity()<<endl;

    cout<<"Price    : "<<"R"<<item.getPrice()<<endl;

    cout<<"Amount   : "<<"R"<<item.getAmount();


    invoice item1("123456", "Saw", 0.75474, 10.768, 0);

    cout<<fixed<<showpoint<<setprecision(2)<<endl;

    cout<<"\nDescription : "<<item1.getPart_description()<<endl;

    cout<<"Part number : "<<item1.getPart_num()<<endl;

    cout<<"Quantity  : "<<item1.getQuantity()<<endl;

    cout<<"Price    : "<<"R"<<item1.getPrice()<<endl;

    cout<<"Amount   : "<<"R"<<item1.getAmount();

}

```