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\* Description : print content of items Part number,

\* Quantity,amount,price

\* Date created 2021/09/22

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#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();

}