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PROBLEM STATEMENT:

   Implementing Constructors Destructors and various Function in Class Stationery management.

SOURCE CODE:

```cpp
#include <iostream>

#include<string.h>


using namespace std;

class stationery

{

private:

   string name;

   int id;

   string product;

   float price;

   int quantity;

   int count=0;

public:

   stationery(){

      name="custumer";

      id=0;

      product="brand";

      price=0;

      quantity=0;

   }

   stationery(string v,int w,string x,float y,int z){

      name=v;

      id=w;

      product=x;
```

```cpp
        price=y;

        quantity=z;

    }

    stationery(stationery &s){

    count++;

    name=s.name;

    id=s.id;

    product=s.product;

    price=s.price;

    quantity=s.quantity;

    }

    void setn(string n){

        name=n;

    }

    string getn(){

        return name;

    }

    void seti(int i){

        id=i;

    }

    int geti(){

        return id;

    }

    void setpr(string pr){

        product=pr;

    }

    string getpr(){

        return product;

    }

    void setps(float ps){

        price=ps;
```

```cpp
        }
        float getps(){
            return price;
        }
        void setqn(int qn){
            quantity=qn;
        }
        int getqn(){
            return quantity;
        }
};
int main()
{
    stationery s3("Peter",03,"Charts",15.00,50);
    stationery s4("Natasha",04,"File",30.00,10);
    stationery s5(s4);


    stationery s1;
    s1.setn("Tony");
    s1.seti(01);
    s1.setpr("Ball Point pen");
    s1.setps(10.00);
    s1.setqn(10);
    std::cout<<"Details of customer 1:"
    <<"\n"<<"Name of customer1 : "<<s1.getn()<<"\n"<<"Product id : "<<s1.geti()<<"\n"<<"Name of
product1 : "<<s1.getpr()<<"\n"<<"Price of procuct1 : "<<"Rs."<<s1.getps()<<"\n"<<"Quantity of
product1 : "<<s1.getqn()<<endl;


    stationery s2;
    s2.setn("Steve");
    s2.seti(02);
    s2.setpr("Long size note");
```

```cpp
    s2.setps(40.00);

    s2.setqn(5);

    std::cout<<"\n"<<"Details of customer 2:"

    <<"\n"<<"Name of customer2 : "<<s2.getn()<<"\n"<<"Product id : "<<s2.geti()<<"\n"<<"Name of
product2 : "<<s2.getpr()<<"\n"<<"Price of procuct2 : "<<"Rs."<<s2.getps()<<"\n"<<"Quantity of
product2 : "<<s2.getqn()<<endl;


    return 0;
}
```

OUTPUT:

```
/tmp/1NBS1Fszfz.o
Details of customer 1:
Name of customer1 : Tony
Product id : 1
Name of product1 : Ball Point pen
Price of procuct1 : Rs.10
Quantity of product1 : 10
Details of customer 2:
Name of customer2 : Steve
Product id : 2
Name of product2 : Long size note
Price of procuct2 : Rs.40
Quantity of product2 : 5
```