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Sub : ADS Lab

Source code :

```
#include<iostream>

using namespace std;

class stationery
{
private:
    string name;
    int id;
    string prod;
    float pri;
    int quan;
public:
    stationery(string n,int i,string p,float pi,int q){
        name=n;
        id=i;
        prod=p;
        pri=pi;
        quan=q;
    }

    void check(int i)
    {
        cout<<"\n"<<"The stationery details of
id"<<id<<": "<<"\n"<<name<<"\n"<<prod<<"\n"<<"Rs."<<pri<<"\n"<<quan<<endl;
    }

    void check(string p)
```

```

{
    cout<<"\n"<<"The product details of "<<prod<<"
    : "<<"\n"<<"Rs."<<pri<<"\n"<<name<<"\n"<<id<<"\n"<<quan<<endl;
}

void check(string p,float pi)
{
    cout<<"\n"<<"The bought details of product "<<prod<<"\t"<<"Rs."<<pri<<" : "<<"\n"<<quan<<endl;
}

void display()
{
    cout<<"\n"<<"The coustomer Details : "<<"\n"<<endl;
    cout<<"ID : "<<id<<"\n"<<endl;
    cout<<"NAME : "<<name<<"\n"<<endl;
    cout<<"PRODUCT : "<<prod<<"\n"<<endl;
    cout<<"PRICE : "<<"Rs."<<pri<<"\n"<<endl;
    cout<<"QUANTITY : "<<quan<<endl;
}

};

int main()
{
    stationery s1("Peter",11,"Ink bottle",45.50,1);
    stationery s2("Tony",12,"File",7.00,5);
    stationery s3("Bruce",13,"Notebook",30.00,2);
    stationery s4("Odin",14,"Ball point pen",10.00,10);

    s1.check(11);
    s2.check("File");
    s3.check("Notebook",30.00);
    s4.display();

}

```

Output :

```
/tmp/cISUxgPG1N.o
```

```
The stationery details of id11:
```

```
Peter
```

```
Ink bottle
```

```
Rs.45.5
```

```
1
```

```
The product details of File :
```

```
Rs.7
```

```
Tony
```

```
12
```

```
5
```

```
The bought details of product Notebook Rs.30 :
```

```
2
```

```
The coustomer Details :
```

```
ID : 14
```

```
NAME : Odin
```

```
PRODUCT : Ball point pen
```

```
PRICE : Rs.10
```

```
QUANTITY : 10
```