

Answer on Question# 50415- <Programming> - <C++>

Program

sales.cpp

```
#include <iostream>
#include <conio.h>
#include <string>

using namespace std;

class Salesperson;

class Sale
{
private:
    int dayOfMonth;//day of the month
    int amountSale;//amount of the sale
    int ID;//the salesperson's ID number
public:
    Sale(int date, int amount, int id);
    friend void display(Salesperson saler, Sale sale);
};

Sale::Sale(int date, int amount, int id)
{
    if((date>0)&&(date<32))
        dayOfMonth=date;
    else
        dayOfMonth=1;
    amountSale=amount>0?amount:0;
    ID=id;
}

class Salesperson
{
private:
    string name;//amount of the sale
    int ID;//the salesperson's ID number
public:
    Salesperson(string Name, int id);
    friend void display(Salesperson saler, Sale sale);
};

Salesperson::Salesperson(string Name, int id)
{
    name=Name;
    ID=id;
}

void display(Salesperson saler, Sale sale)
{
    cout<<"Date of sale: "<<sale.dayOfMonth<<endl;
```

```

        cout<<"Amount: "<<sale.amountSale<<endl;
        cout<<"Saler: "<<saler.name<<" (ID: "<<saler.ID<<)" "<<endl;
    }

int main()
{
    Sale a(5,3,1);
    Salesperson saler("John",1);
    display(saler,a);
    getch();
    return 1;
}

```

Example of execute program:

```

Date of sale: 5
Amount: 3
Saler: John(ID: 1)
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```