

7. Implement a Program in C++ by defining a class to represent a bank account.

Include the following:

Data Members

- Name of the depositor
- Account number
- Type of account (Saving, Current etc.)
- Balance amount in the account

Member Functions

- To assign initial values
- To deposit an amount
- To withdraw an amount after checking the balance
- To display name and balance

SOURCE CODE:

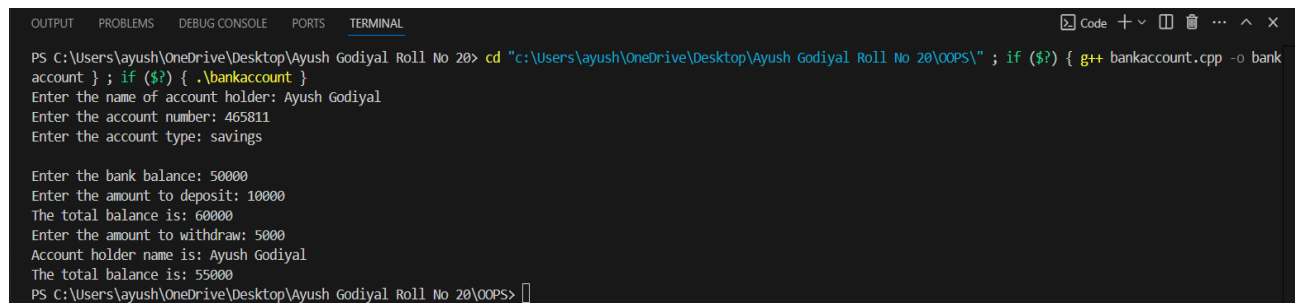
```
#include<iostream>
#include<string>
using namespace std;
class account
{
    private:
    string name, typeacc;
    int accnum;
    int balance;
    public:
    void input()
    {
        cout<<"Enter the name of account holder: ";
        getline(cin,name);
        cout<<"Enter the account number: ";
        cin>>accnum;
        cout<<"Enter the account type: ";
        cin.ignore();
        getline(cin, typeacc);
        cin.ignore();
        cout<<"Enter the bank balance: ";
        cin>>balance;
    }
    void deposit()
    {
        int deposit;
        cout<<"Enter the amount to deposit: ";
        cin>>deposit;
        balance+=deposit;
    }
    void withdraw()
    {
        int withdraw;
        cout<<"The total balance is: "<<balance<<endl;
        cout<<"Enter the amount to withdraw: ";
        cin>>withdraw;
        balance=balance-withdraw;
```

```

    }
    void display()
    {
        cout<<"Account holder name is: "<<name<<endl;
        cout<<"The total balance is: "<<balance;
    }
};

int main()
{
    account s;
    s.input();
    s.deposit();
    s.withdraw();
    s.display();
}

```



The screenshot shows a terminal window with the following content:

```

PS C:\Users\ayush\OneDrive\Desktop\Ayush Godiyal Roll No 20> cd "c:\Users\ayush\OneDrive\Desktop\Ayush Godiyal Roll No 20\OOPS\" ; if ($?) { g++ bankaccount.cpp -o bank
account } ; if ($?) { .\bankaccount }
Enter the name of account holder: Ayush Godiyal
Enter the account number: 465811
Enter the account type: savings

Enter the bank balance: 50000
Enter the amount to deposit: 10000
The total balance is: 60000
Enter the amount to withdraw: 5000
Account holder name is: Ayush Godiyal
The total balance is: 55000
PS C:\Users\ayush\OneDrive\Desktop\Ayush Godiyal Roll No 20\OOPS>

```