Assignment number -2

Aim : Define a class to represent a bank account. Include the following members:
Data members: - Name of depositor, Account number, Type of account, 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 & balance
Write a main program to test program using class and object.
Batch : A-1
Roll number : 04

Input Code :

```
#include<iostream>
#include<string>
using namespace std;
class acc {
int ac_num;
string ac_name, ac_type;
float ac_bal;
public:
acc(string acc_name, int acc_no, string acc_type, float acc_bal) {
ac_name = acc_name;
ac_num = acc_no;
ac_type = acc_type;
ac_bal = acc_bal;
}
void deposit(float amt){
if (amt > 0){
ac_bal = ac_bal + amt;
cout << "Deposit of " << amt << " successful!" << endl;
}
else{
cout << "Invalid deposit amount!" << endl;
}
}
void withdraw(float amt){
if (amt > 0 && amt <= ac_bal){
ac_bal = ac_bal - amt;
cout << "Withdrawal of " << amt << " successful!" << endl;
}
else{
cout << "Invalid withdrawal amount!" << endl;
}
}
void display_info(){
cout << "Depositor name: " << ac_name << endl;
cout << "Account number: " << ac_num << endl;
cout << "Account type: " << ac_type << endl;
```

```
cout << "Balance: ₹" << ac_bal << endl;
cout<<endl;
}
};
int main(){
acc myaccount("Achyut Shinde", 1234, "Savings", 89569.54);
myaccount.display_info();
myaccount.deposit(500.0);
myaccount.display_info();
myaccount.withdraw(200.0);
myaccount.display_info();
return 0;
}
```

Output :

```
Depositor name: Achyut Shinde
Account number: 1234
Account type: Savings
Balance: ₹89569.54
Deposit of 500 successful!Depositor name: Achyut Shinde
Account number: 1234
Account type: Savings
Balance: ₹90069.5
Withdrawal of 200 successful!
Depositor name: Achyut Shinde
Account number: 1234
Account type: Savings
Balance: ₹89869.54
```