Test 02 CPP

```
#include <bits/stdc++.h>
using namespace std;
class BankAccount
private:
    string name;
    int accNo;
    string accType;
    double balance;
public:
    BankAccount()
        name = "No Name";
        accNo = 0;
        accType = "None";
        balance = 0;
    BankAccount(string name, int accNo, string accType, double balance)
        this->name = name;
        this->accNo = accNo;
        this->accType = accType;
        this->balance = balance;
    // Setter
    void setName(string name) { this->name = name; }
    void setAccNo(int accNo) { this->accNo = accNo; }
    void setAccType(string accType) { this->accType = accType; }
    string getName() { return this->name; }
    string getAccType() { return this->accType; }
    double getBalance() { return this->balance; }
    int getAccNo() { return this->accNo; }
    virtual void wihdrow(double money)
        this->balance -= money;
    virtual void deposit(double money)
        this->balance += money;
    void display()
        cout << "Acc no : " << this->accNo << endl;</pre>
        cout << "Acc Holder Name : " << this->name << endl;</pre>
```

```
cout << "Type of Account: " << this->accType << endl;</pre>
        cout << "Balance : " << this->balance << endl;</pre>
int main()
    BankAccount bankAccount;
    int ch = 0;
    do
        double money = 0;
        cout << "\nEnter Your Choice :: " << endl</pre>
              << "1) Create Account \t 2) Diaplay account details \t 3) Deposit Money " <</pre>
end1
              << "4) Withdrow money \t 5) Display name and balance " << endl
              << "\t:";
        cin >> ch;
        switch (ch)
        case 1:
            string name, accType;
            int accNo;
            cout << "\nEnter Name of Acc Holder : ";</pre>
            cin >> name;
            cout << "\nEnter Type of Acc : ";</pre>
            cin >> accType;
            cout << "\nEnter Acc No : ";</pre>
            cin >> accNo;
            cout << "\nEnter Initial Deposite : ";</pre>
            cin >> money;
            bankAccount.setName(name);
            bankAccount.setAccType(accType);
            bankAccount.setAccNo(accNo);
            bankAccount.deposit(money);
        break;
        case 2:
            bankAccount.display();
        break;
        case 3:
            cout << "\nEnter Amount you want to deosite : ";</pre>
            cin >> money;
            bankAccount.deposit(money);
        break;
```

```
break;
         case 4:
             cout << "\nEnter Amount you want to Withdrow : ";</pre>
             cin >> money;
             if (bankAccount.getBalance() < money)</pre>
                  cout << "\nLow Balance....!" << " \nBalance : " <<</pre>
bankAccount.getBalance();
             else
                 cout << "\nWithdrowal Success...!";</pre>
                 bankAccount.wihdrow(money);
                 cout << "\nDebited amt :" << money;</pre>
                  cout << "\nBalance : " << bankAccount.getBalance();</pre>
        break;
        case 5:
             cout << "\nName of Account Holder : " << bankAccount.getName();</pre>
             cout << "\nAccount Number : " << bankAccount.getAccNo();</pre>
             cout << "\nAccount Balance : " << bankAccount.getBalance();</pre>
        break;
        default:
             cout << "\n\nInvalid Choice..";</pre>
             break;
    } while (ch != 0);
```

Output: PS D:\Fullstack-Java-FirstBit-Solutions> & 'c:\Users\bhagv\.vscode\extensions\ms-vscode.cpptools-1.21.6-win32-x64\debugAdapters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MIEngine-In-403waxhp.1ph' '--stdout=Microsoft-MIEngine-Out-vbcjyvkt.tpm' '--stderr=Microsoft-MIEngine-Error-iij1taes.4kp' '--pid=Microsoft-MIEngine-Pid-c3arprhp.ee3' '--dbgExe=C:\TDM-GCC-64\bin\gdb.exe' '--interpreter=mi'

Enter Your Choice ::

- 1) Create Account 2) Diaplay account details 3) Deposit Money
- 4) Withdrow money 5) Display name and balance

:1

Enter Name of Acc Holder: Bhagvat

Enter Type of Acc: Savings Enter Acc No: 1232 Enter Initial Deposite: 78827 Enter Your Choice :: 1) Create Account 2) Diaplay account details 3) Deposit Money 4) Withdrow money 5) Display name and balance :3 Enter Amount you want to deosite: 23 Enter Your Choice :: 2) Diaplay account details 3) Deposit Money 1) Create Account 4) Withdrow money 5) Display name and balance :2 Acc no: 1232 Acc Holder Name: Bhagvat Type of Account: Savings Balance: 78850 Enter Your Choice :: 2) Diaplay account details 3) Deposit Money 1) Create Account 4) Withdrow money 5) Display name and balance :3 Enter Amount you want to deosite: 3241 Enter Your Choice :: 3) Deposit Money 1) Create Account 2) Diaplay account details 4) Withdrow money 5) Display name and balance

:2

Acc no : 1232
Acc Holder Name : Bhagvat
Type of Account: Savings
Balance : 82091
Enter Your Choice ::
1) Create Account 2) Diaplay account details 3) Deposit Money
4) Withdrow money 5) Display name and balance
:4
Enter Amount you want to Withdrow : 200001
Low Balance!
Balance : 82091
Enter Your Choice ::
1) Create Account 2) Diaplay account details 3) Deposit Money
4) Withdrow money 5) Display name and balance
:4
Enter Amount you want to Withdrow : 200
Withdrowal Success!
Debited amt :200
Balance : 81891
Enter Your Choice ::
1) Create Account 2) Diaplay account details 3) Deposit Money
4) Withdrow money 5) Display name and balance
:5
Name of Account Holder : Bhagvat
Account Number : 1232
Account Balance : 81891

2) Diaplay account details 3) Deposit Money

Bhagvat Mutthe |

Enter Your Choice ::

1) Create Account

:0

Invalid Choice..

PS D:\Fullstack-Java-FirstBit-Solutions>

