**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 setBalance(double balance) { this->balance = balance; }

    void setAccType(string accType) { this->accType = accType; }

    // getters

    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;

        cout << "Acc Holder Name : " << this->name << endl;

        cout << "Type of Account: " << this->accType << endl;

        cout << "Balance : " << this->balance << endl;

    }

};

//

int main()

{

    BankAccount bankAccount;

    int ch = 0;

    do

    {

        double money = 0;

        cout << "\nEnter Your Choice :: " << endl

             << "1) Create Account \t 2) Diaplay account details \t 3) Deposit Money " << endl

             << "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 : ";

            cin >> name;

            cout << "\nEnter Type of Acc : ";

            cin >> accType;

            cout << "\nEnter Acc No : ";

            cin >> accNo;

            cout << "\nEnter Initial Deposite : ";

            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 : ";

            cin >> money;

            bankAccount.deposit(money);

        }

        break;

            break;

        case 4:

        {

            cout << "\nEnter Amount you want to Withdrow : ";

            cin >> money;

            if (bankAccount.getBalance() < money)

            {

                cout << "\nLow Balance....!" << " \nBalance : " << bankAccount.getBalance();

            }

            else

            {

                cout << "\nWithdrowal Success...!";

                bankAccount.wihdrow(money);

                cout << "\nDebited amt :" << money;

                cout << "\nBalance : " << bankAccount.getBalance();

            }

        }

        break;

        case 5:

        {

            cout << "\nName of Account Holder : " << bankAccount.getName();

            cout << "\nAccount Number : " << bankAccount.getAccNo();

            cout << "\nAccount Balance : " << bankAccount.getBalance();

        }

        break;

        default:

            cout << "\n\nInvalid Choice..";

            break;

        }

    } while (ch != 0);

    // cout << "Hii";

}

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 ::

1) Create Account 2) Diaplay account details 3) Deposit Money

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 ::

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 : 3241

Enter Your Choice ::

1) Create Account 2) Diaplay account details 3) Deposit Money

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

Enter Your Choice ::

1) Create Account 2) Diaplay account details 3) Deposit Money

4) Withdrow money 5) Display name and balance

:0

Invalid Choice..

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