

CODE:

```
#include <iostream>

using namespace std;

class Account {
public:
    string name;
    int acc_no;
    string acc_type;
    double balance;
    int amount;

public:
    void setInfo() {

        cout<<"The name of customer:"<<endl;
        cin>>name;
        cout<<"The account no. of customer:"<<endl;
        cin>>acc_no;
        cout<<"The account type of customer:"<<endl;
        cin>>acc_type;
        cout<<"The account balance of customer:"<<endl;
        cin>>balance;
    }

    void deposit() {
        cout<<"Amount to deposit:"<<endl;
        cin>>amount;
```

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        balance += amount;
    }

    void showBalance() {
        cout << "Balance: " << balance << endl;
    }

};

class Saving : public Account {
public:
    int rate;
    int years;
    double interest;

public:
    void Interest() {
        cout<<"Enter rate:"<<endl;
        cin>>rate;
        cout<<"Enter years:"<<endl;
        cin>>years;

        interest = balance * rate * years / 100;
        balance += interest;
    }

    void withdraw(){
        cout<<"Amount to withdraw:"<<endl;

```

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    cin>>amount;

    if (amount <= balance)
        balance -= amount;
    else
        cout << "Insufficient balance.\n";
    }
};

class Current : public Account {
public:
    void withdraw(){
        cout<<"Amount to withdraw:"<<endl;
        cin>>amount;

        if (amount <= balance)
            balance -= amount;
        else
            cout << "Insufficient balance."<<endl;

        if (balance < 1000) {
            balance -= 100;
            cout << "Penalty!. New balance: " << balance << endl;
        }
    }
};

int main() {

```

```
Saving c1;
cout<<"Saving Account"<<endl;
c1.setInfo();
c1.deposit();
c1.Interest();
c1.withdraw();
c1.showBalance();

Current c2;
cout<<"Current Account"<<endl;
c2.setInfo();
c2.deposit();
c2.withdraw();
c2.showBalance();

return 0;
}
```

#### OUTPUT:

Saving Account

The name of customer:

Yash

The account no. Of customer:

1001

The account type of customer:

Saving

The account balance of customer:

4000

Amount to deposit:

500

Enter rate:

7

Enter years:

1

Amount to withdraw:

400

Balance: 4415

Current Account

The name of customer:

Raj

The account no. Of customer:

1002

The account type of customer:

Current

The account balance of customer:

3000

Amount to deposit:

100

Amount to withdraw:

2500

Penalty!. New balance: 500

Balance: 500

[Program finished]