

Lab Program 4

```
import java.util.*;
```

```
class Account {
```

```
    Scanner sc = new Scanner(System.in);
```

```
    String cusName, accType;
```

```
    long accNumber;
```

```
    double balance = 9999.5;
```

```
    void Accept() {
```

```
        System.out.println("Enter name");
```

```
        cusName = sc.nextLine();
```

```
        System.out.println("Enter Acc Number");
```

```
        accNumber = sc.nextLong();
```

```
    }
```

```
    void deposit() {
```

```
        int dep;
```

```
        System.out.println("Enter amount");
```

```
        dep = sc.nextInt();
```

```
        balance += dep;
```

```
        System.out.println("Balance : " + balance);
```

```
class CurAct extends Account {
```

```
void penalty () {
```

```
    if (balance < 2000) {
```

```
        balance -= 400;
```

```
        System.out.println("Balance : " + balance);
```

```
    }
```

```
}
```

```
class SavAct extends Account {
```

```
void interest () {
```

```
    double i;
```

```
    i = balance * 0.05
```

```
    balance += i;
```

```
    System.out.println("balance : " + balance);
```

```
}
```

```
class Bank {
```

```
    public static void main (String [] args) {
```

```
        System.out.println("Enter choice \n 1. Sav \n 2. Cur Acc");
```

```
        int choice = sc.nextInt();
```

```
CurAct c = new CurAct();
```

```
SavAct s = new SavAct();
```

```
if (choice == 2) {
```

```
    c.Accept();
```

```
    System.out.println("Enter choice \n1. Deposit  
2. Withdraw");
```

```
    int n = sc.nextInt();
```

```
    switch(n) {
```

```
        case 1: {
```

```
            c.deposit();
```

```
            break;
```

```
        case 2: {
```

```
            c.withdrawal();
```

```
            c.penalty();
```

```
            break;
```

```
        default: System.out.println("Enter  
valid option");
```

```
    }
```

```
if (choice == 1) {
```

```
    s.Accept();
```

```
    System.out.println("Enter choice \n 1 Deposit,  
    \n 2 Withdrawal");
```

```
    int n = sc.nextInt();
```

```
    switch (n) {
```

```
        case 1: {          s.deposit();  
                        s.interest();  
                        break;
```

```
        }
```

```
        case 2: {          s.withdrawal();
```

```
                        break;
```

```
        }
```

```
        default: System.out.println("Wrong  
                        choice");
```

```
    }
```

```
}
```

```
}
```

```
nikhilabraham ~/dev/ooj-lab/Week8_LabPrograms
$ java Bank
Enter your choice
1. Savings Account
2.Current Account
1
Enter name
Nikhil
Enter Account number
231512
Enter your choice
1. Deposit
2. Withdraw
2
Enter the amount you want to withdraw
234
Balance = 9642.5
nikhilabraham ~/dev/ooj-lab/Week8_LabPrograms
$
```