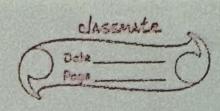
## LAB-5

(29) import javarutil: Scanner, Develop a Java program to create a class Bank that maintains two kinds of account for its customers, one called savings account and the other account current account The savings account provides compound interest and with drawal Facilities but no cheque book lacility. The current account provides cheque book facility but no interest. Current account holders show also maintain a minimum balance and if the balance falls below this level, a service charge is imposed Create a class Account that stores customer Name, account number and type of account From this derive the classes Cur-acct and Sav-acct to make them more specific to their requirements. Include the necessary methods in order to achieve the tollowing took a) Accept Deposit from customer and update the balance b) Display the balance. c) Compute and deposit interest c) Permit withdrawal and update the balance e) Check For the minimum balance, impose penalty if

necessary and update the balance



import java util-scanner

class Account [

protected String customer Name;

protected int account Number,

protected double balance,

public Account (String customer Name, interaction account Number, double balance)?

this customer Name = customer Name;

this account Number = account Number;

this balance = balance;

public void display Balance() & public void deposit (double amount) & if (amount 70) &

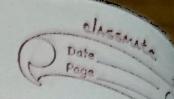
balance + = amount;

System out printh ("Deposited:" Tomount),

System out printh l'Invalid deposit amount"

3

public void displayBalona () &



System: aut. print la ("Balance:" + Balance);

class SavAcch extends Account 1

private double interest Rate;

public SavAcct (String customer Name, int account number double balance, double interest Rate) &

Super (customer Name, int account Namber, double balance, double interest Rate) &

Salance, double interest Rate) &

super [customer Name, account Number, baland]
this, interest Rate = interest Rate;

public void compute And Deposit: Interest () &

double interest = balance \* (interest Rate / /co);

balance += interest;

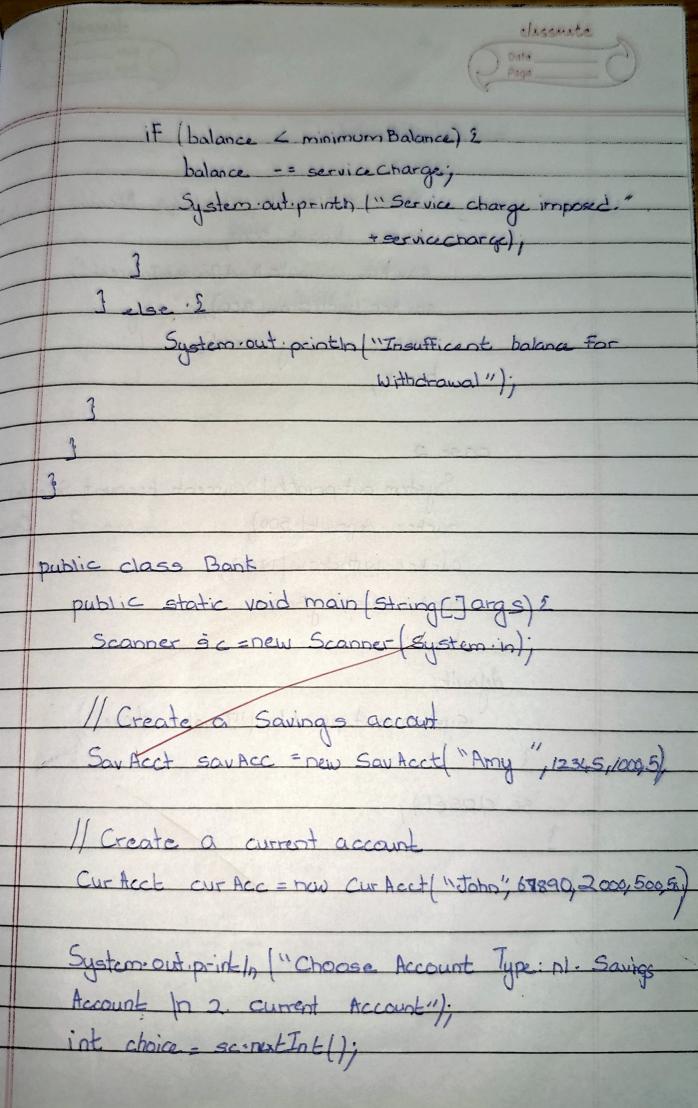
System.out.println ( vinterest added: " + interest);

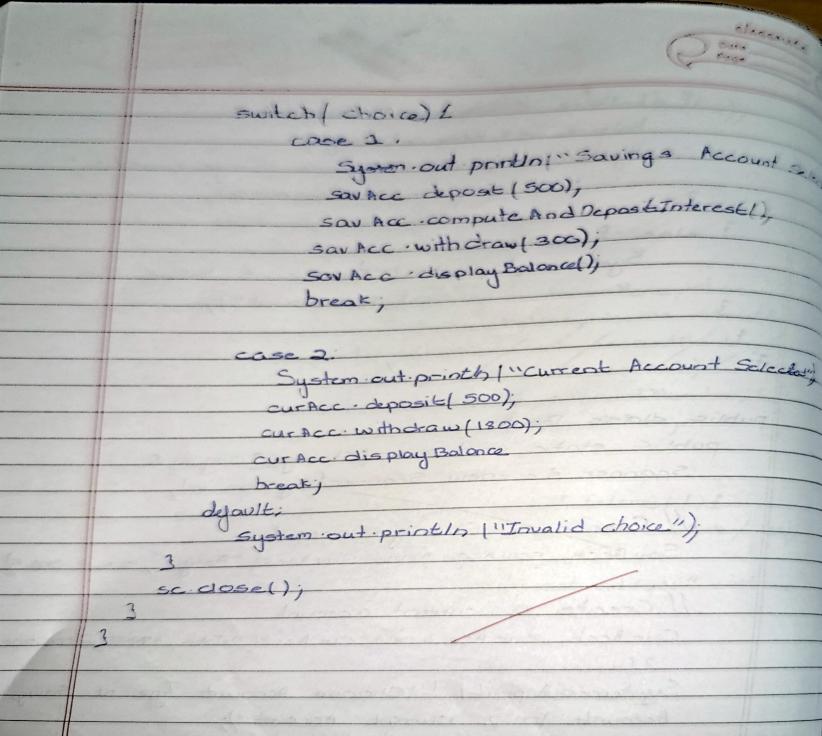
public void withdraw (double amount) &

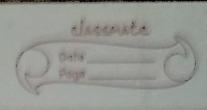
if (amount c = balance) &

balance = amount;

System out print in [ "Withdrawn: " +amount)







Output:
Choose Account Type:
1: Savings Gount Account
2 Current Account
2
Savings Account Selecte
Deposited: 500.0
Interest addict: 75.0

Balance: 1275.6

Withdrawon - 3000

Program: