

```

import java.util.Scanner;
abstract class Account {
    String accname, acctype;
    long accnum;
    double balance;
    final int minbal = 1000;
    final long num, double bal, String type;
    account (String name, long num, double bal, String type) {
        accname = name;
        accname = num;
        balance = bal;
        acctype = type;
    }
    abstract void addBal (double amt);
    abstract void dispBal ();
    abstract void withdraw (double amt);
}
class curr_acct extends account {
    curr_acct (String name, long num, double bal, String type) {
        super (name, num, bal, type);
        System.out.println ("name: " + accname + " \naccnum: " + accnum + " \nbalance: " + balance + " \nacctype: " + currtype);
    }
    void addBal (double amount) {
        balance = balance + amount;
    }
    void dispBal () {
        System.out.println ("Your balance is: " + balance);
    }
}

```

```

Savan Page No.:

void withdraw (double amount)
{
    if (balance < amount)
    {
        System.out.println ("You don't have enough balance");
        System.out.println ("Balance is " + balance);
        return;
    }

    balance = balance - amount;
    System.out.println ("balance = " + balance);
    if (balance < minbal)
    {

        System.out.println ("penalty of Rs. " + (balance * 0.01) + " as balance is less than the minimum needed");
        balance = balance - balance * 0.01;
        System.out.println ("current balance = " + balance);
    }
}

class Sav_acct extends account
{
    Sav_acct (String name, long num, double bal)
    {
        super (name, num, bal, "Savings");
        System.out.println ("name: " + accname + ')');
        accnum += ')';
        bal += ')';
        type += ')';
    }

    void addBal (double amount)
    {
        balance = balance + amount;
        interest ();
    }

    void interest ()
    {
}

```

```
Date _____  
int t = 2;  
balance = balance + 10.0; pout (1+(0.2), t);
```

```
y  
void dispBal ()  
{  
    System.out.println ("Your balance is : " + balance);  
}  
y  
void withdraw (double amount)  
{  
    balance = balance - amount;  
    System.out.println ("balance = " + balance);  
}  
y
```

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

```
Scanner sc = new Scanner (System.in);  
curr_act c = new curr_act ("jay", 123456, 3000.0,  
"Current");  
double amount;  
int flag = 0;  
while (flag == 0)  
{
```

```
System.out.println ("1: Add Bal \n2: Display Bal \n3:  
Withdraw \n4: Chequebook \n5: Savings account");  
int ch = sc.nextInt ();  
switch (ch)  
{  
    case 1:  
        System.out.println ("Enter amount to be added");  
        amount = sc.nextDouble ();  
        c.addBal (amount);  
    case 2:
```

Date _____
Page No. _____

```
break;  
case 2:  
    c.dispBal();  
    break;  
case 3:  
    System.out.println("Enter amount to be withdrawn");  
    amount = sc.nextDouble();  
    c.withdraw(amount);  
    break;  
case 4:  
    System.out.println("Enter details: \nEnter name of the  
receiver: ");  
    String recname = sc.nextLine();  
    recname = sc.nextLine();  
    System.out.println("Enter amount to be sent: ");  
    double a = sc.nextDouble();  
    if (a > c.balance)  
    {  
        System.out.println("You don't have enough balance");  
    }  
    else  
    {  
        System.out.println("Enter password: ");  
        String P = sc.nextLine();  
        P = sc.nextLine();  
        System.out.println("receiver : " + recname + "\namount  
sent is " + a);  
        c.balance = c.balance - a;  
    }  
    System.out.println("balance = " + c.balance);  
    break;  
default:
```

```
flag = 1;
y
Sav_act s = new Sav_act ("jennie", 500676, 7000);
flag = 0;
while (flag == 0)
{
    System.out.println ("1: AddBal\n2: DisplayBal\n3: Withdraw\n4: Quit");
    int ch = sc.nextInt();
    switch (ch)
    {
        case 1:
            System.out.println ("Enter amount to be added:");
            amount = sc.nextDouble();
            s.addBal (amount);
            break;
        case 2:
            s.dispBal ();
            break;
        case 3:
            System.out.println ("Enter amount to be withdrawn:");
            amount = sc.nextDouble();
            s.withdraw (amount);
            break;
        default:
            flag = 1;
    }
}
```