```java
import java.util.*;
class account {
    string customer_name;
    int account_number;
    string account_type;
}
class curr_acct extends account {
    Scanner x = new Scanner(System.in);
    double temp = 0.0;
    double amount = 0.0;
    double fine = 0.0;
    double min_amount = 1000.0;
    void getdetails() {
        customer_name = x.nextLine();
        account_number = x.nextInt();
    }

    void deposit() {
        System.out.print("Enter the deposit amount:");
        temp = x.nextDouble();
        amount += temp;
    }

    void showbalance() {
        if (amount >= min_amount) {
            System.out.println("Balance is :" +amount);
        }
        else {
            fine = (amount * 1.0 * 10)/100;
            amount = fine;
```

```java
System.out.println(" the fine imposed : " + fine);
System.out.println(" Balance is : " + amount);
        }
    }
    void withdrawal () {
System.out.print (" Enter the withdrawal
                        amount :");
        temp = x.nextDouble ();
        amount = temp;
    }

}

class sav_acct extends account {
Scanner x = new Scanner (System.in);
    double temp = 0.0;
    double amount = 0.0;
    double interest = 0.0;
    void getdetails () {
    customer_name = x.nextline ();
    account_number = x.nextInt ();
    }
    void deposit () {
System.out.print (" Enter the deposit amount :");
    temp = x.nextDouble ();
    amount + = temp;
    }
```

```java
void showbalance () {
System.out.println ("Balance is :" + amount);
}
void withdrawal () {
System.out.print ("Enter the withdrawal amount:");
temp = x.nextDouble ();
amount = temp;
}

void interest () {
interest = (amount * 1.0 * 3) / 100 ;
amount + = interest;
System.out.println ("interest added :" + interest);
System.out.println ("Balance is :" + amount);
}
}

public class Main {
public static void main (String [] args) {
int opt = 0;
String type = null;
Scanner x = new scanner (System.in);
System.out.println ("welcome to the bank
service");
System.out.println ("Enter the type of account
( curr_acct / sav_account)" );
type = x.nextLine ();
```

```
if ( type.equals ("curr_acct")) {
    curr_acct a = new curr_acct ();
    System.out.println ("Enter the customer_name,
                account_number:");
    a.get details ();
    while (true) {
        System.out.println ("press 1: Accept deposit and
                update the balance");
        System.out.println ("press 2: Display the
                                        balance");
        System.out.println ("press 3: withdrawal
                and update the balance");
        System.out.print (" Enter option : ");
        opt = x.next Int ();
        switch (opt) {
    case 1 :      a. deposit ();
                  a.show balance ();
                  break;
    case 2 :      a.show balance ();
                  break;
    case 3 :      a.withdrawal ();
                  a.show balance ();
                  break;
        }
    }
}
```

```
if (type.equals ("sav_acct")) {
    sav_acct a = new sav_acct ();
    System.out.println (" Enter the customer_name,
                        account_number: ");
    a.get details ();
    while (true) {
        System.out.println ("press 1: Accept deposit
                        and update the balance");
        System.out.println (" press 2: Display the balance");
        System.out.println (" press 3: Compute and
                            deposit interest ");
        System.out.println (" press 4: Withdrawal and
                            update the balance");
        System.out.print (" Enter option: ");
        opt = x.nextInt ();
        switch (opt) {
            case 1: a.deposit ();
                    a.showbalance ();
                    break;
            case 2: a.showbalance ();
                    break;
            case 3: a.interest ();
                    a.showbalance ();
                    break;
            case 4: a.withdrawal ();
                    a.showbalance ();
                    break;
        }
    }
}
}
```