```java
import java.util.Scanner;
class Account{
    String name;
    long acc_no;
    int acc_type;
    double balance;
    Scanner sc = new Scanner(System.in);
    void getData(){
        System.out.println("Enter Name:");
        name = sc.next();
        System.out.println("Enter account number:");
        acc_no = sc.nextLong();
        System.out.println("Enter account type:\n1.saving  \n2.current");
        acc_type = sc.nextInt();
    }
    int retacc() { return acc_type; }
}
class Savings extends Account{
    double amount;
    Scanner sc = new Scanner(System.in);
    void get_savacc_bal(){
        System.out.println("enter the amount to be placed in your saving account:");
        amount = sc.nextDouble();
        balance+=amount;
    }
    void display_savacc_bal() { System.out.println("balance:"+balance); }
    void cal_savacc_interest(){
        System.out.println("Enter the rate of interest in (%) :");
        float rate = sc.nextFloat();
```

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    }
    void display_curacc_bal() { System.out.println("balance:"+balance); }
    void cal_curacc_service(){
        if(balance<min_bal){
            System.out.println("Service charge of 250 will be imposed as penalty for having balance below minimum balance");
            balance=balance-250;
            System.out.println("balance:"+balance);
        }else{
            System.out.println("Minimum balance is maintained");
        }
    }
    void withdrawl_curacc(){
        System.out.println("enter the amount to be withdrawn:");
        float amount1 = sc.nextFloat();
        balance= balance-amount1;
        System.out.println("balance:"+balance);
    }
}
class Bankmain{
    public static void main(String args[]){
        int check;
        Scanner ss = new Scanner(System.in);
        Account A1 = new Account();
        A1.getData();
        check = A1.retacc();
        if(check==1){
            System.out.println("Saving Account");
            Savings S1 = new Savings();
            S1.get_savacc_bal();
```

```
}
class Bankmain{
    public static void main(String args[]){
        int check;
        Scanner ss = new Scanner(System.in);
        Account A1 = new Account();
        A1.getData();
        check = A1.retacc();
        if(check==1){
            System.out.println("Saving Account");
            Savings S1 = new Savings();
            S1.get_savacc_bal();
            S1.display_savacc_bal();
            S1.cal_savacc_interest();
            S1.withdrawl_savacc();
        }
        else if(check==2){
            System.out.println("Current Account");
            System.out.println("checkbook facility available");
            Current C1 = new Current();
            C1.get_curacc_bal();
            C1.display_curacc_bal();
            C1.cal_curacc_service();
            C1.withdrawl_curacc();
            C1.cal_curacc_service();
        }
    }
}
```

```
    void display_savacc_bal() { System.out.println("balance:"+balance); }
    void cal_savacc_interest(){
        System.out.println("Enter the rate of interest in (%) :");
        float rate = sc.nextFloat();
        System.out.println("Enter the time in years :");
        float time = sc.nextFloat();
        float CI = (float)(balance*(Math.pow((1+rate/100),time)));
        System.out.println("the CI is:"+(CI-balance));
        balance=CI;
        System.out.println("balance:"+balance);
    }
    void withdrawl_savacc(){
        System.out.println("enter the amount to be withdrawn:");
        float amount1 = sc.nextFloat();
        balance= balance-amount1;
        System.out.println("balance:"+balance);
    }
}
class Current extends Account{
    Scanner sc = new Scanner(System.in);
    double amount;
    final double min_bal = 1000;
    void get_curacc_bal(){
        System.out.println("enter the amount to be placed in your current account:");
        amount = sc.nextDouble();
        balance+=amount;
    }
    void display_curacc_bal() { System.out.println("balance:"+balance); }
    void cal_curacc_service(){
```