```
import java.util.*;
class Bank {
Scanner sc = new Scanner(System.in)
}

class account extents bank{
  int A_no;
  String A_name = new String();
  int A_acctype;

void getAccData(){
 System.out.println("Enter the Aaont Name : ");
 A_name = sc.nextLine();
 System.out.println("Enter the account type:
          (1.for saving account 2. current account) ");
 A_acctype = sc.nextint();
 System.out.println("Enter the Account Number: ");
 A_no = sc.nextInt();
 }
}
class sav_account extends account
{
  double a, cinterest;
  int r,t;
  Scanner in = new Scanner(system.in);
  void withdrawl()
  {
    System.out.println("Enter amount to be withdrawn");
  double amtw = in.nextDouble();
  if (amtw <= amount)
      amount = amount - amtw.
```

```
else
 System.out.println("You dont have enough money to
                     withdraw");
void cmp_interest()
{
 System.out.println("Enter the rate and timp:");
  r = in.nextInt();
  t = in.nextInt();
  a = mount = Math.pow(1+(r*0.01),t);
  cinterest = a-amount;
 }
void display()
  {
    super.display();
    System.out.println("Compound interest after "+t+"
                        year: "+cinterest);
   System.out.println("Amount after "+t+"years: "+a);
  }
}
import java.util.*;
class Current_acc extends account
{
 double min=5000;
  void input()
  {
    super.input();
  }
 void service_charge()
 {
  if (amount<min)
  amount=amount-200;
```

```
}
void display()
{
super.display();
}
}
import java.util.*;
class Bankdemo1
{
public static void main (String [] args)
{
Scanner in = new Scanner (System.in);
System.out.println("******* choose your account type");
System.out.println("1:Saving account");
System.out.println("2. Current account");
int choice = in.nextInt();

if (choice == 1)
{
sav_account b = new sav_account();
b.type(choice);
b.input()
System.out.println("*******
\n1. deposit 2. withdraw \n*********");
int ch = in.nextInt();
if (ch = = 1)
b.deposit()
else if (ch==2)
b.withdraw();
else
System.out.println("Invalid choice");
```

```
b.comp_interest();
b.display();
}
else if(choice==2)
{
 current_acc b=new Current_acc();
 b.type(choic);
 b.input();
 b.deposit();
b.service_charge();
b.display();
}
else
    System.out.println("Invalid choice");
 }
}
```

output