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 current account. The savings account provides compound interest and withdrawal facilities but no cheque book facility. The current account provides cheque book facility but no interest. Current account holders should 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 following tasks:

- a) Accept deposit from customer and update the balance.
- b) Display the balance.
- c) Compute and deposit interest
- d) Permit withdrawal and update the balance Check for the minimum balance, impose penalty if necessary and update the balance.

evaluation two kinds of account for its cultivisis only called sources account and the other current account the savings account provides compound interest of withhold backters but no chaque book facility the current account holder should also maintain a hearing balance account holder should also maintain a hearing balance of the below this level , a service chape informed Seamer sc = new Scanner (System.in);

String name;

thomas + 1 + 1 + 1 int acc-no;

float bol, Si;

void accept () t

System. Out. println ("Enter your name");

name: Sc. next line ();

System. Out. println ("Enter the bolance amount");

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         int choice;
        chous = sc. next Ent ();
       1 (choice == 1) }
       System out point in ("Entire the amount to be deposited")
      amount = se. next Float ();

if (amount > bal) &

sop ("Amount in bank insufficient");
      elec 4
      bal = bal + amount;
    S.O. 9 ("current belance: " + bal);
clas current extends bank 4
Int surice_fu= 50;
void cheque () {
S. op ("Cheque source available"); 10 pg 1
     ( Chapter source
wind withdrawal () {
float aut;
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   of (ant > but)
   System out println ("Balance insufficient");
   else t
   bal bal ant; it had a store
   1 (bal < 1000) {
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     bal = bal - service fee;
   S.O.P ("50 75 to taken as service de ")
   s. o.p (" withdrawn : " + ant) and it is
  5-0-p ("Current Balance: "+ bal)
 to point intends to " to feath point in the
class saving extends bank h
vaid chaque (> 6
sop (" Cheque service not available");
void withdrawal () & ( a may ) many
float ant;
sop ("Enter the amount to be withdrawn");
ant = . se. nurtillout ();
2.0 p ("Balance insugnierd"); (1 to fem 10
olse
bal = bal - ant;
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sop ("withdrawn " + aut);
     S.O.p ("current balance "+ bot);
    vold interest (7 %
    sop ("Enter the not of interest");
    int re sc. nextint ();
   3.00 (" Enter the no of times interest applied per time
  "int n= sc. next Int ();
  S.O.P ("Entre the time elapsed");
  int t = sc. next ( )
                     (" Coment Manie : " + Enl)
  si= bal + (1+ (r/n));
  S. O. P (" compound interest is " + (Math. pow(si, not))
                           class saving which bank to
rublic class account & I super to
 Psvm ( String aug [3) {
 Scanner sc-new Scanner (System. In) ; 1 51 Lacondoition time
 savings obj 1 = new savings ().
current obj 1 = new cornert ();
op ("In I savings account Ind lument account");
 choice = sc next Int (); ( )
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    Savings account

2.Current account
Enter your name
ABC
Enter the balance amount
34000
Name : ABC
Cheque service available
Do you want to deposit(1 for yes ,2 for no)
Enter the amount to be deposited
45000
Amount in bank insufficient
Current balance : 34000.0
Enter the amount to be withdrawn
200
Withdrawn : 200.0
Current balance : 33800.0
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1.Savings account
2.Current account
1
Enter your name
ABC
Enter the balance amount
25000
Name : ABC
Cheque service not available
Do you want to deposit(1 for yes ,2 for no)
1
Enter the amount to be deposited
43000
Amount in bank insufficient
Current balance : 25000.0
Enter the rate of interest
4
Enter the number of times interest applied per time period
45
Enter the time elapsed
33
Compound interest is Infinity
Enter the amount to be withdrawn
7000
Withdrawn : 7000.0
Current balance : 18000.0
```