Lob Prgm 5

WAP to create a class Bank that maintains two kinds of account for its sestemers, one called saveings account and the other current account. The savings account provides compound interest and with facilities but no chique book focility. The current account provides chaque both facility kent no strong extend interest. Current account holders should also maintain as minimum balance and if the balance falls below this level, a service charge is imposed breate a class decount that the customer name, acc number and type of account from this deix requirements. Current more specific to the fallow tasks:

b) Display the bulance as austomis and update the balonie

() Compute and deposit interest

d) Permit witnerawal and update belace

Check for minimu balace, impose finalty and upacle the balace

import java lang. Math;

clas account

atring name, acc-type;
int acc-no;
doubble hal, dep;

Scanner 85 = new Scanner (dystem in).

```
void setd()
    ٤
      Lystem out pointly ("Enter your name: \n");
        name = ss. nent();
       Lystem out frintly ("Enter your account number");
        acc-ro = ss. next ht ();
        System out printle ("Enter your account type: (Savings or Current) (in)
         acc-type = ss. nextant();
        System out printly ("Enter the bank balance : (");
           bal = ss. renthouples,
    dop ()
     Lystem. out. printly ("Name: "+ name);
    dystem out printh (" Account No: "+ acc-no);
    System out frintly ( "Account type: "+ acc-type);
    System out friendly ("Current balance is: "+ bed);
     deposit (
Void
      System out paintly ("Gother the ant to be deposited: ");
        dep = ss. nent Double ();
         Sed+ = dep;
         System out printh (" Balance account : + hal).
     boolean acc ( String acc tyre)
        4 (acc type = = "Savings")
          return true;
     else y (acc type = = 1 "Current")
         return false
```

```
return brue;
class Cia-act entends decount
       int penall)
                                      Bel Shewer Sed
        E double min, pen;
          System out printh ("In Fiter minimu bolane a finally amont
                           y not followers:");
           min = ss. next Double ();
           pen = ss. nontable();
         & Chal <min)
            Lystem out painth Coleralts impared for having insufficient
                            Blace balance");
           withdrawed ()
          E double ant;
           System out pointly ("Gots the amount to be withdraws:");
             amt = ss. rent Dallet ():
            int a = penal();
```

```
y(a==1)
       y (bal =amt)
                                    Balance after witndrawed is: "+ had);
         Spalem out pointh (" Account
      3
   3
dre
    System. out. printly ("In The amount can't be northdrawn");
class Saw-acct entends
         void calc_interest()
                                    in the second was sind in
         System out printh (" Enter time and rate of intent?)
           double to = sc northouble ();
           double T= Somet Boudle ();
           double (P = bul * math. pow (C)+100), +);
           Lystem out printh ("In Compant Interit is:"+CI);
             Batherson bal+=CI
          System out prints (" Belonce amount:" + Dal);
         northdrawd ()
     roid
         Lystem out printh (" Fitter amount
                                          to be withdrawn: ");
           amt = ss. nent Douple ();
```

```
ij (bal >= amt)
             bel - = ant;
             System out print ln (" Account balance ofto northdrawal is.
     3
     else
       System out println (" In The amount cannot be withdrawn"),
class Bund
  É public static
                   void main (String arr [])
     E
        Scanner ss = new Scanner (System-in);
        Account 01 = new Account ().
        al setd();
      y Cal. acc (ol.acc-type) == trice)
          Soxacct s1 = new Sov-acct();
               st. rame = at. rame; st.acc-no = at.acc-no;
               strace-type = Ota at accentyle; or st. dad = al. pad;
           & System. aut. print (" tith your chairs: In 1. Deposit In d. Calculation
                               3 to itrobace (n 4. Display In 5. East ");
```

```
ent ch = ss. next Int ();
    Switch (ch)
                        Commission of the say
        case 1: s1. deposit (); break;
        rone 2: s1.cal-interest (); break;
        rane 3: s1. roitaboural(); break;
        Rase 4: stidip (); death;
        care 5: exit (0); break;
                   Syster out printh ("Invalio Proper");
ehe
                                                         g 3. · 2021 Chiefe.
                                                       Ace thurs : 22
     Eur-acct c1= new cur-acct ();
      cl. name = ol. none; cl. accno = al. acc-no;
                                                             d. acc-type = 01. acc-type; class = 01. del;
       Eystem out printh (" \n Enter your chave: \n 1. Deput \n 1. Peakt
          Chel In 3. 10, tell In 4.1 alisply "n 3. 6nt ")).
        inter on = sintatall);
                                             Colica Silly & organic 164
         Sti switch (ch)
                  care 1: (1. deposit (); dead;
                Case 2: (1. penal(); raid;
                Cone 3: cl. withdraws (); break;
               core 4: exit (0) , heard;
               default: System out painth (" Invalid Expet');
```

Later your occamt type (1- Savings on 2: agent) & Cwant Inter your name John Liter your account number 2222 Inter the Bank Balance 50000 Liter your choice 1. Deposit 2. Calculate Interest 3. Windraw 7. Display 5. buit Enter the amount to be valtetoponi deposite 5000 Acoust Pulone after some deposits is :55000 Enter your chaice: 1. Deposit a Calculate intout 3. Withdow 4- display 3. Gar He Gots amount to he nithdrawn: 3000 Account Balace gler withalraval is 50000

Inter your occant type (Savengs or Current) arrent Enter Erter account runter 04531 Enti Balare mont 30000 Enter your chaice 1. Deposit A. Penelts 3- nondrave 4. Displey 5 Fact Enter amont to he deposited 3000 Balance = 53000

```
Enter your account type:

1. Savings account

2. Current account

2 chapte Facility available
Enter customer name
en
Enter customer name
en
Enter en's account number

23
Enter balance amount
50000

Customer Name:er
Your account number:23
Your Account Balance:50000.0

Press 1 to deposit

1
Enter amount to be deposited
4500

Press 1 to withdraw ammount
1
Enter the amount to be withdrawn:
25000

Activate Windows

Go to Settings to activate Windows.
```

```
nter your account type:
. Savings account
. Current account
heque Facility not available
nter customer name
nter ee's account number

nter ee's account number

unter ablance amount

nter balance: 18080.8

nter all nput
nter number of times interest applied per time period
nter number of time periods
nter number of time periods
nternumber of time periods
nternumber of time finerest is 18080.8

nternumber of time periods
nternumber amount - 11576.2508080808082

alance amount without interest is 18080.8

valiable balance after updating is 11576.2508080808082

ress 1 to withdraw amount
nter the amount to be withdrawn

80

valiable Balance: 9580.8

:\Users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\under\users\users\users\users\under\users\users\users\under\users\users\under\users\users\users\users\under\users\under\under\under\users\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\under\
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