Develope a jove program to develope ex exerte a class bank that maintaince two kind of accounds one called sarring accound and other called current account, the sarings account provides compound interest and withdrawal facility but no chequebook facility. The current account provides cheque book facility but no interest. Current account holder also need to maintain minimum balance and if balance falls below this level, a service charge is imposed.

Create a class account that shores customer name, account number, account type. from this derive the classes o curr account bened sur-account to make them more specific to their requirements. Include the necessary methods in order to achieve the following task.

a) Accept deposite from customer and update the

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- b) display the bollance
- () Compute and deposite interest
- d) Permit withdrown and appete the balance

```
import javo-util. Scanner;
  closs account
                              Donner States Cleunes rate . 5 ;
    String name i state on so the same grant of themes parties
    String type ;
    double balance;
                                                ( ) 125 YEAR ( ) BEAUT
provie account (String name, Int accoo, String type, doubte balance)
       this name = name; " " some ind" all inge to a motify?
       this type = type;
        this , auno = aceno;
        Huls, balance = balance;
    void deposide (deposite amount)
          balance = balance + amount;
     void withdraw ( double amount)
        if (Coolance - amount 1 >= 0)
                            amount;
            Systemout printly (" Ensufficient bulance, conit withdraws
      System . out i printla l'name + name + "acuno" + acuno +
                                 type + "balenie")
```

```
class Saving account extends Account &
      Private State double rate = 5;
     Scoving account (Shing nume, intace no, double balance 2,5
            Super Chame, aceno, "Sawing ", balance ?;
Void in terest ()
 no there type down to become ?
      balance = balance + balance * (rate)/100;
      System out oprinter ("Balance" + balance );
 Glass Bank &
  public States void main (String orgses)
    Scanner se = new Scanner ( System in);
     System out print Int" Enter the name :");
      Stringname = sinent ();
      Systemiout. printen (" Enter the type (current/saving):
      String type = sinentil;
      Systemout . printence enter the account . No: "?;
      Int accor = so-nextint();
      Systemiout printini" enter the initial balance :"?
       double balance = s. next Bouble cs;
      int ch;
       double amount 1; amount s;
     account ace : New account ( nome, accno, type, balance);
     SavAccount sa= new savacet (name, acene, balance);
     601 Act co = new our Aut (name, acona balance)
```

```
while (true)
E of Cace type equal & ("Saving"))
    System.outoprintlo (" In menu In I deposit In 2001 theraw
                      3. compute interest In 4. displayis
   System outs printly ("enter the choice");
  int ch = Senent Enter;
  swith (cu)
   Enterior of the month of the Comment of the second
   6011 1:
$
          System out print la l'enter the amount i);
           amount 1 = Sinent Ent(1;
           sa. deposit Comounti);
  Gose D:
         Systemiout println (" enter the amount:");
           amounts - sinent Is();
            sa. with draw Comount 2);
            break;
                                   EXERTE.
                         But 4: Eyether exit (0):
Goss 3;
       s gain teres f();
Gose4 : ş
        3 break; of ();
```

```
Case 5 ;
      system exit (0);
                               1 3 16 16 25 2 174 - 256
         al Hargel I a Town of a Hough to make
    System out print In (" enter the amount :");
            amount 1 = lineal Int (1;
              sardeposit Camount 172
               break;
                                          10 Hs. 1043
     case: Systemioutiprintln ("enter the amount:");
              amount ) = sment Ent ();
     Cordeposit Comountil;
               brezk;
                       ements signification
     case o: System · outignisten ("enter the amount:");
               amount 2 = 8. nent Entil;
               ca , with draw (omounts);
                                           8024 EL
               Garcheek min();
               Gose 3: Goodsplay Co;
    Gase 4: System exit Cor;
                             carda teres fell
```

adput Enter the name: Sharas Enter the type (sovings /current); airrent Enter the account number ora stelly (class, 1,3); Enter the initial balonce some states 10000 Menu 1. Deposit 2. with drow 3. display. enter the amount : 1000 (1000) gold & com Menu Chicagosalas (sofraging) 1. Boposit 2. withdraw 3 · display edget: 6 enter the amount , 500 many Whend of Concenteration menu 1 deposit swith draw 3 display English and the late of area, for alles 3 nomes sharan accordingood type: current balance: 10500 1/2024