Develop a Java program to what maintains two kinds of account for its customers and maintains two kinds of the other current account. He was account prouds compound interest & will drawns found but no cheque book facility. The current account prays chique book facility lent no interest 1) create a class account that stores customer nous. Er lype of account. From this derive the closes we want Er sav- act to make them more specifier to the a) A nept deposit from tenstown & update the below 6) triplay the balance a) compute & diposit interest d) Permit withdrawal & update the balance e) check for the minimum balance, impose penalty of necessary & update the balance impod java. util. Scarner; class Account (String customer Norme; String account num; double balance; public Account (string customerrian, string aunitrus double balance){ this. customername = customerName; this accountnum = account mum; this balance, balance; public noid deposit (double amount) { if (amount > 0) { halance + = amount; SOP ("Deposited:" + amount): I clse { SOP (" Innalid amount ");

```
if (amount to $5 amount & balance) {
          balance - amount
                 SOF ( " histholians : " + amount);
       I also !
            SOF ( Invalid request or insufficient funds );
       public word display () {
          SOP ( - The balance is " + balance);
class Sav Ace extends Acount {
   double interestRate;
    public SanAce (String customeradme, String accountness.
                double balance, double interestrate) {
        super (customer name, accountnum balance);
    this . interesterate = suterest mate:
     public world compound interest (2)
         double interest = balance + (interest rate /100).
         deposit (interest);
       SOP("Interest compounded" + interest).
 class currer extends Account ?
       Static final double Min. bat. 1000;
       static final double service charge = 100;
```

public voil withhows (double amount) !

```
public class Rink &
    public static weed main (string 00 aways (3) {
         Scanner & = new Scanner ( system . In);
          SOP( "Enter name: ");
          String SawName : Scanner nexthine();
         sop ("tuto ace no : ");
         String son Account: Scannin nextline ()
          sopt "Enter initial balance for sawings account ").
          double saubalonce: Scanner. next Double ().
         SOPP "Enter interest rate for sawings account: ")
         double son Interestrate = scanner next pouble ();
         Sante savings - new Souther (san Wante, Santenum,
              sav Balance, sav Toterestrate).
            Savings. display ();
          sop (" Enter the appoint to deposit: ")
           savings . Deposit (Scanner next bould (1);
             sowings. Display().
           sop ( Enter the amount to withdraw : ");
            Savings. withdraw (scanner. next pouble ());
             savings display ();
            sop (" in Enter customer home for current aci: ");
           String currame, scanner, nextline();
           soft " Enter account number for current ou!
           Storing curr Acenum = Scanner. heatherell
            SOP ("Enter initial balance for current acount")
            double currbalance, Scanner, nest bouble!);
              Easter Acc current: new Curr Acc (curroams.
                  Curr Account):
               current display ().
           SOP ("In Enter the amount to deposet in
                  current account ")
              werent deposit ( scanner ment Double (1)
               covered desplayer;
              scanner class ().
```

output: Enter customer name for sourings account Akabay enter acc number for sawings account 100 taker initial balance for savings account 100000 Enter interest rate for sawings account 2 the balance is \$0000 Enter the amount to withdraw from account 100000 withdraw: 100000 The balance is 20000.0 Deposited 400.0 Interest compounded: 400.0 The balance is 20400.0 Enter name for current account: or Akshay 5 Enter Initial balance for assent account: 10000 Deposited: 10000 0 The balance 14 : 30000.0 Enter the amount to withdraw from current account: 10000 Deposited: 10000 The balance is: 30000.0 Enter the amount to withdraw from current acc: 2000 The balance 11: 22000.0 20/11/24