5. Develop a Joura program to create a co Bank that maintains two kinds of account for its customers, one called savings are and the other current accoul. The say, account provider compound interest and will drawal facilities but no cheave book tag The current account provider cleave book facility but no interest, current account holders should also maintain a minimuly balance of the and it the balance four below this Level. a Service Large is impos. create a chase amount that stores curton -er name, accout number and type of accous, From this derive the chapped cu-acet and sav-accout to make them more specific to their requeirement, include the necessary methods in oxoler to achieve the follow ing takke a) accept deposit from customer and update 6 Higher the balance the balance O compute and oleposit interest @ Permit withdrows and update the balance check for the minimum balance, impose tens lity it neccessary and update the balan CLASS ACCOUNTS string curtomer_name; long acc-no; String txpeof account; double balance Account 1 (String customer_name, long accino, string treeof accour, double box -ance)! this. customer-name = customer-name this. acc-no = acc-no; this. type of Accord = type of Account &; this, balance = balance;

```
void display balance () Month to the many the
System.oud. Println ("The balance of the
  accordination + "and name" + customer
  name +" is: " + balanco"
        deposits (int amount)
     balance +=ormounti
Sxxtem. out. Println ("The amount of"+ am
ount + " has been desbited");
   Marcoma tri) Luarbottica bior
     if (balance > amount)
 System, oud println ("The Insufficent
        Bolance");
   usigo V como so como i somo so volacio de squis
      uses
        this balance -= amount;
        System. out. Print In (" Amount of "+
amount + " has been succestully witholoury
        ( Chaldace > amount)
class sarings. Account extends Account {
   double compounded_Interest = 0.04'
  soring Account (String curtomer name, lang
    accino) - acominim = 1 9 parales 1
                 ORIJENON PROMIN
     supera (cultomername, accno,
       ,0);
```

```
void compound_Intrest() is an accompany of
   double intrest amount = balance ## Comp
    balance += interse amount;
    Interesti
     System. out. printin (" Interest deposited:"),
   CLASS CUSSENTACCOURT extends Accounts
     boolean checkauebook = True
      double minimum_balance = 5000
      double service à charge & = 50%
  euroent Account (String) curtomechame lang
     accno) f
      super (customer name, accno, "current", so,
                        5314/2 Jan of 18111
woiol withdraws (int amount)
                   mosa spri " + + aucomo
       il (balance > amount)
        this, balance = amount
        System. out. Println ("The amount of
      amount = " with draw successfully");
     if Cholance (= minimum _balance)
      ( Impose penality ()
    else ?
        sxtem.out. Println (" Insufficient Balance
```

```
void import penalty () {
  balance == service chorages;
     System. out. printin (' Pemolty added ")
  public class Bank?
Public static void main (string biogras)
   Saring & Accounts nom W
    saving Account (" o umerh ", 12345678);
     sa. displaybalances;
      sa. with draw (); 00 1000 2 31 10 10 10
      8a. deposit (1000);
     sa. deposit (1000)
      Sa. compound Interet () bables Money
of Mesan withdraw (1000) of the momo
 SX Rtem out Printing;
                           LAST A SELLANTES
    CUBrent Account (A = new Current Account (" 50
      Nikelid", 98765 43217
      CA - display bolance ().
      CA. Withdrow (500);
      CA. deposits (1000);
       CA. deposite [1000]
       (A. Nitudoan (1000)
       CA. olipplayBalance();
```

COMPONE THOUSE olp The Balance of the 123156789 & man umern is oney market the more Insufficient balance Amount of 1000.0 has been debited Amount of 1000.0 has been debited Interest deposited Amount of 1000.0 successfully drawn The bolance of the 12345678 and no umerh ir 1080.6 Admen of husball pairs Mismy P 1) I nussimenivos The balance of the 987654321 and no Niceic 18 2000,00 (1) (3) (3) (4) (1) Amount of 500 withdrawn succeptully penalty added in remark majores in Amount of 1000,000 has been oladited amount of 1000,00 has been debited Amount of 1000 withdrown successfully The bodance of the 98765321 name wikelik i & susp. on some