5) Develop a Jeva pour to create a close Bont that mountains two kinds of account for the customers one called savings account and the other current a count, the savengs account provides compound Entrest and withdround facilities but no cheque book facility. The awant account provides chaque Book facility but no intrest. account account hofbert should also maintain a m'Eniemen bolonce and of the bolonce falls below this level , a service charge is Emposed coeole a closs Account that stores customer name account number and type of account. From this derive the closses cur-acet and Box-acct to moke them more specific to there requirement the following tooks. a) Accept Supolo + from cultoner & cipalete The bolonce b) Display The bolonce compute and depost tintoest of perembt withdrowel and apolate the bolence check for the montinum bolonce, Empole penalty if

closs Account of

Storing customer Name:

long occount Number:

double bolence

Public vold acceptoeposit (double ouroint) of bolonce += ourount; public void display () r. 3 y stem. out. printn ("Balance: "+ balance)", Neml + " In Account Number: "+ occount Number): closs averent Account Extends Account & private static fluol double Min-BALANCE possoble static final double PENALTY=500; public vold accept Deposit (double amount) ( Super a coept Deposit (our ount); if (bolonce < MIN-BALANGE) { System. out, println ( " Penolty imposed for not molenteuring minimum. belonce."); belonce -= PENALTY. chell Souling & Account Extends Account &
private Static final double Intrest\_ RATE = 0.05 3 public void computernations et in fourt ( ent years) double compound Intoest = bolon ce + Mother POW ( 1+ INTREST\_RATE, years) Bolonce;

```
bolonce + = compondintall;
  Pablic vold northdrow (Louble amount) {

y (bolonce >= ourount) {
      System. out. prentln (" w9 th drowel successful.
     3 Amount withdrawn: "+ amount);
   System. out. podentin (" zahafficient bolonce.
with Drowol unsuccessful.");
  Les Jalesto ) tragestiffens dans sides
public chold leb 5 & public stoble vold malin (Stoling [] orgs) &
       Sconner sconner = new Sconner (System & Coursent Account = new world - Account court
                                             - Account ()
       Sovengs Account Sovengs Account - new sovengs.
                                        Account c);
 System. out. prelation (" Enter cut fourer nouve : ");
  Coverent Account. austerner Nome = soulings Account.
           Customer Nome = Sconner nextlenes
  Eystem. out. pountin ("Enter accomb number ")
  CurrentAccount. e CountNumber = soulings Account.
               account Number = Scenner, next Loys
 Ent choice;
```

System. out. pelutin ("In renu"); System out. poetentin ("I. Deposit to current Account "); system out pointln (1.3. Deposit to Sovengs. system. out. prenten ("3. Display Bolonce for avveent Account ")" gystem out present en (" 4. Display Bolonce for. Sovlings Account ")" System. out. parent In ("5. compute interest for zystem out petertin ("6. withdrow from sovi system out parten ("7. East");
System out parten ("Enter your chorce:"). choile = Sconner. next Intes? Switch ( choice) of S. O. D ( " Ender omount to deposet to, coverent Account : ") double avount Doposit = Sconner mext avoient account accept Deposit (aavert deposit) System. out peantle ("Enter omount to deposit to sortings Account " "); Louble Soverys Depost + = Scamere next Double; 8 everys Account, accept Depost + ( Soutings Depos

cose 3: S.O.P ("Current Account Balon a "); current Account Display Bolon a (); break; Cole 4 3 3.0.P ( "Sorlings Account Bolonce: "); Sorlings Accound desplay Bolonce (); System out part (" Enter The years for Entrest colculation : ") Ent years = Sconner. nextInt(); Sovenges Accort. computerand Depose + Intrest ( years); S.O.P ("Infoest computed & Liposofed ") S.O.P ( "Enter ourgains to withdrew, from Sovligs Account : " Louble with Low Amount = 8 conner. next Sortings Account; with Low (with observe Amont) s.o.p ("Ealtig Drogrom ..."); 3.0. p (" involted choice : Toy og in ");

y while (choice (=7);

y & Scormor. chole ();

of p: Enter enstoner nome : volay Enter account number : 56457456 1 - Deposit to account Account. 2 - Depolit to Soulings Account 3 Display Bolonce for Earlingh Account. 5. Compute Interest for Soulings Account withdraw from Loulings Account - East Enter amount to lepos it to avecent accort ? 5000 Enter gour choice 6 2. Enter amount to deposit to savlings Accort: 3000 Entre gour choi ce: 3. avoient accont Bolonce: Bolonce & 5000.0 Enter your choice : 4 Sovings Account Bolonce : Bolonce : 3000.0 Menu & Enter your choice :5 Enforthe number of years for Enteust. Intell computed and deposited reenu : choice: 4

Sorlings Accomf Bolonce? Bolonce: 3828.84468.

menu :

choice & 6.

Enter Amount to with drow : 3000 Successfully with drow :- ! 300

Menu :

choice & 4.

Bolon ce : 3528. 188