@ Lab 5 - 69/01/2029 Develop a Java program to create class Bout Acim short maintains two kinds of account for its customers one saving and other current account. Savings account provides - compound Interest & withdraws facilities. No cheque book facility Current account provides - cheque book faicility but no interest. Service charge imposed ef balance falls below minimum Create a class Account that stores austomes hame, acc no, type of acc. From this derive classes Curr-Act and Sav-Acct. Include methods to achieve: a Accept deposit from curtomer and update balance b. Display balance C-Compute & deposit interest d. Pernit withdrawal and update balance inpost java-util. Scarner; class Bank Account String chame; long accres; String type; Account (String on, long ac, String +) chame = cn; accho = ac; type = E;

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import java-util. Scanner;
class Curr Act extends Account a
 faible balance;
 Curract ( String on, long ac, String + 1, double b)
   super (cn, ac, t);
  balance = b;
 public void operations ()
  Scanner scan = new Scanner (System - in);
  System - out . peintly ("Enfer name: ");
  String 3 & scan . next Line (),
  System-out-printle ("Enter account number: ");
  long n = Scan ment Long();
 System . out . perinten ("
 System.out. println ("Enter choice:");
 System. out. perint lu ("1. Acces Deposit");
 System. out. printly ("2. Display balance");
System. Out. pecintle (" S. Withdrawal");
 system.out. println ("4. Exit");
 C=Scan. next Dut ();
Switch (c)
  Case 1:
  System.out. paintle ("Enter deprosit amount:");
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double deposit = Scan. next Double ();
balance + = deposit;
 break;
 Case 2:
 System-out-point lu ("Balance is: "+ balance).
 break;
 Case 3:
 System. out openint la ("Enter wi
 if (balance < 100)
 ¿ System. out. perint ly (
                           Less than minimum balance.
                           Fine of Rs. 5 ");
  balance -= 5;
 else
   System : out . println ("Enter withdrawal amount:");
   double ant = scan. next Double ();
   balance -= ant;
  System out . printly (" Withdrawal Successful . Current
                        Balance = " + balance);
 preak;
care 4:
 System. out. perintly ("Thank You.");
 break;
default:
 System - out - perint In (" Invalid choice - 11);
3 3 while (c!=4); 4
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go Sar Scar Deciount
louble balance;
To sect (String on, long ac, String t, double b)
 super (en, ac, t);
  balance = b;
public void operations ()
Sommer Scan = new Scanner ( System - in)
  System. out. printle ("11. Deposit.");
System. out. printle ("2. Withdraw.");
  System - Out. println ("3. Compute & deposit interest.");
 System. out. primtle ("4. Display balance").
 System. out. printle (05. Exit. ");
 Switch (c)
  System. out. printly ("Enter deposit amount:");
  double deposit = Scan : rest Double ();
   balance + = depositi
   break;
 4 (balance < 100)
   system. out . perintle
                           Fine of Rs. 5 ");
```

balance -= 5j else System out o peintly (" Enter withdrawal amount-") double and = scan. heret Double (); balance - = ant; System-out-printly (and + "has " withdrawel successful. Balance = " + balance) & boreak; Case 3 & double r= 6.0/100-0; System. out. peintle (" Enter duration of account holding . "); d int t=scan.nextInt(); double interest = balance \* Math. pow ((1+2), t) balance; balance = balance + interest; System . out. pri nt ln ("Batas Interest: "+ interest); System. out. println (" Balance: " + balance); break; Case 4: System-out-printly ("Balance: "+ balance); break; case 5: System out . println (" towalid choice "); : elmozab

Beneut. printly (" Invalid choice. "); jushile (c) = 5) jus main public static void main (8tring args []) Scanner Scan = new Scanner (System in); Cystem. out. perint lu ("Enter name:"); geing s=scan-next Line(); System. out . perintly ("Enter account number:"); long ac = scamonenthong (); System: out. printly ("Enter account type: Savings/ String t = Scan. next Line ();

System. out = perint ln (" - - - -System. out. printly ("Details:"); 55 System - out printle ("Name: "+ S + " \n"+ Acc No: "+ac+ "\"+ Acc Type: "+t); M(t. equals | gnore (ase ("Savings")) Sav Acct sv=new Sav Acet (Sac, t, Glystem. Out. peuntle ("Enter a count balance:"); double b = s can = next Double (); of (t. equals Ignore Case ("Sawings"))

SavAcct sv= new SavAcct (s,ac,t,b); sv.operations(); else if (t.equals lymore Case ("Current")) { Curr Act ct = new Curr Act (s,ac,t,b); ct.operations(); }