```
NAME: Anagha Achaeya
lab Program-5
                                      USN: IBMIABTOOS
impact ava whilex;
Class Acroniunt
 String name;
int ACC- NO;
 chas acc-type;
double balance, deposit;
Phoolean cheq;
void gete (char c)
  if acc-type = c;
 4 (c = = 8' 11 c= = s')
 cheq = false;
 else
cheg = true;
 Scanner Sc = new Scanner ( System - in);
 System. out. printen 1" Entir your name");
 name = sc. next Line ();
 system. out- printin ("Enter your account number");
 atc no = sc. next Into;
 System out println ( "Eider the current balance available );
 balance = &c. next Doublel);
 void putal)
  System. Dat printen ("Account details");
 System out perotes ("Name "+name);
 System. Out. println ("Account number: "+ acc_no);
 System out- privater ("Account type: "+ accitype);
 Caystem out printen ("Balance = " + balance);
void deposit ()
Scanner 8c = New Scanner (System.in);
System. out. println (" Eviter the amount to be deposited");
  depoirt = sc. next Double ();
```

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balance = balance + deposit;
System out printer (" Amount has been deposited");
void display ()
  systemout printen ("Balance amount = " + balance).
void check ()
  if (cheq==false)
  System out private (" cheque book facility imavailable")
  System. out - println (" Cheque book facility available");
rclass Savings entends Account
 double rate, s-withdraw, and, t, pr;
 ind n,ch;
void cil)
  Scannes sc=new scannes ( System-in);
  System . Dut printen l'a Enter the principal deposit amount?
  px= sc. next nouve();
  System- out- printen (" Entre Late");
  rate = SC- next Double ();
  System out println ("Enter term in years"),
  t ? sc. next Double ();
  Engetern out-printen la Enter number of times interest is
  n = Sc. next Ivd();
  and = pex Math. pow ((H(rate/100)), (n*t));
  balance = palance tand;
  System out println!" Interest is compounded and added to the balance");
void with_S()
  scanner &= new scanner ( System-in),
 System out println ("Enle the amount to be withdrawn");
 3-withdrawn = SC. next Double;
```

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if (S- withdraw) balance)
System Out printen ("Insufficient balance")
  balance = halance - S withdraw;
System Out privilly (" Aint has been withdrawn and
                      balance is up dated ");
3
class current extends Account
 double penalty, a withdraw, min;
Current ()
    penaly = 100;
   min = 1000)
 void with-cl)
  Scanner &c = new Scanner (System-in);
  System out printle ("Enter amount to be withdrawn")
  c-withdraw = sc. next Double();
  y (c-withdraw>balance)
3 system-out-printen (" Insufficient balance");
  setum;
2
  elie
  Epalance = balance - Cwithdraw;
    System out printen (" And has been will dearn and
                          balance is up dated?);
of ("balance & min)

System out printer ("Balance helow min value.

Service penatty charge of Rs. 100

Applicable");
```

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if (balance & penalty)
 System. out printer ("Insufficient funds! Penalty will be deducted after replumising balance");
 else
   balance = balance - penatty;
  system-out-printen ("penalty charge deducted-current
                       balance = "+balance);
velas labs
  public static void main ( String args [])
  int cch, chh)
  Scanner & c = new Scanner (System.in);
  System. out- println!" -
 system-out providen [" Select an account: I savings
                         2. Current ");
 mit Ch = Sc. next Int();
 y (ch == 1)
   Savings 8 = New Savings ();
   s. get ('s'),
  do $
     System out printly 1" 1- report In 2. 2. Calculate
     compound interest in 3. Withdraw in 4. Display n 5. Cheque
    book in 6. Enity;
    System. out- printer (" enter your choice");
    chin = Sc. next(Date);
   Switch (chh)
      case1: S deposit ();
     Cased: 8, cit);
             break;
                                 (4)
```

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case 3: 8-with-SU;
       case 4: s. display();
              s- pudd ();
               break;
       CASL 5: bree g. checkl);
               break
       case 6: hreak
      defautt: System. out-peintln ("Wrong Opstion");
preak;
 3 while (chh! = 6);
  Current is = new Current ();
  Cr- gets ('c');
do f
   system out peintln [" 1. Deposit | n. 2. Cheque book in
    3. Withdraw In 4 Display balance (n 5. Enit");
  Cch = Sc. next Int();
  switch (cch);
            Cr- depositi);
            break;
    case 2: (8. check ())
             break;
    case 3: co- with-cl);
            break;
   case 4: 08-display();
           cs. putdo;
            break;
   case 5: break;
   defaut : system. Out. perullen 1 Wrong option 14),
  while (cch!=5);
```

else system-out printen ("Wrong!"); 3