#Include Liostream> # include < string> # include < math.h> Using namespace std; class Account all established with a first loss to

public:

string customerName, type of Account; inf account Number, balance; Account (string cname, string account, intaccount, intaccount, into bal)

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customer Name = cname; type of Account = account; account Number = acc Number; balance = bal;

Account (): customerName ("INULL"), type of Account ('NULL'), account Number (0), balance (0) {3

void enter Datal; void display Balance (); void deposit Balance ();

```
void Account :: enterData()
   coutex "In Enter customer name" ex end!
   cin >> customerName;
   couter "In Enter account number" exend;
    cin >> account Number;
   cout << "In Enter account type" << end!;
    cin >> type of Account;
    cout << "In Enter balance" << endl;
    cin >> balance;
                  Course land the distribution of
void Account: displayBalance()
    contec' In Customer Name " << 'customer Name;
    cout << "In Account Number" << account Number;
   cout << "In type " ix type of Account;
   cout << "In the balance is: "<< balance;
3.
void Account: depositBalance()
    int amount;
    cout << "In Enter amount to deposit" << end);
     cin >a mount;
     balance = balance + amount;
```

```
class Savings Account: public Account.
   int interest;
                and the sald warm behilded to sale
   public:
     Savings Account (string cname, string account, intaccount,
                   int bal, int into): Account (cname, account,
                   accNumber, ball
         interest = intr;
      Savings Account (): interest (0) {};
      int compound Interest ()
          int time, rode;
          rate = 10;
          couter "In Enter time" << end);
           cin >> time;
           interest = balance * pow(1+ rate /100.0, time)-balance;
           redurn interest;
       void updateBalanceU
       Za Massa Ma Charles and Cod day and water as the
           balance = balance + compound Interest ().
           cout << 'The balance is: " << balance << end;
       3.
```

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```
void withdrawl ()
    int amount;
    cout << "In Enter amount to withdraw" << endl;
    cin >> amount;
    if (balance & amount)
         balance = balance - amount;
      else
         cout << "The amount cannot be withdrawn" << end;
3;
class Current Account: public Account.
                               is all some
    intcheckBook; service Charge;
                             Janahi mila
     int minBalance = 500;
     public:
         Current Account (string aname, string account, int
           account, account Number, bal).
         government of the state of the
            checkbook = intr;
         & Current Account(): check Book (0) {};
```

```
int mainBalance ()
  int penalty=1.

if (balance <= minBalance)
       service Charge = 50;
       balance = balance - service Charge;
       penalty = 0;
   else
                                its InvissAlvers
       coutec "In No service charge" << end!;
   return penalty;
 void withdrawl().
      int amount;
      cout << "In Enter the amount to withdraw" << end;
      cin>> amount;
      int checkPanally = mainBalce(1)
      of (check Penalty == 1)
          if (balance >> = amount)
               balance = balance - amount;
       3.
```

```
else
                                couter "In the amount cannot be withdrawn" < end!;
                                                                                            reprofite survey of the behaviors
int main()
                            Savings Account 51;
                              Current Account ci;
                                                                                                                                       5 55 November 1 11/1/25 1455
                                 s1.enterData();
                                 51. display Balance ();
                                   S1. deposit Balance();
                                                                                                                                                                                                          getting another
                                     St. display Balance ();
                                     51. update Balance ();
                                                                                                                                                                                                         Why talling t
                                      s1. withdrawl ();
                                         51. display Balance ();
                                           c1. Denter Data ();
                                           c1. display Balance ();
                                               c1. deposit Balance ();
                                                 c1. display Balance ();
                                                                                                                                                                               p Unice I do s Asia de La
                                                  c1. widthdrawl();
                                                                                                                                                                              Add to the test of the test of
                                                  c1. displayBalance().
                                                      return 0;
```