public class CrapitalizeAccount{

private double balance;

private String name;

private static int numOfAccounts = 0;

private int accountNumber;

private String[] PaymentHistory;

public CrapitalizeAccount(){

balance = 0;

name = "";

accountNumber = 10000000 + numOfAccounts;

numOfAccounts++;

PaymentHistorys = null;

} // end CrapitalizeAccount()

public CrapitalizeAccount(double b, String n){

balance = b;

name = n;

} // end CrapitalizeAccount()

public double getBalance(){

return balance;

} // end getBalance()

public String getName(){

return name;

} // end getName()

public void setName(String n){

name = n;

} // end setName()

public int getNumOfAccounts(){

return numOfAccounts;

} // end getNumOfAccounts

public void setNumOfAccounts(int num){

numOfAccounts = num;

} // end setNumOfAccounts

public int getAccountNumber(){

return accountNumber;

} // end getAccountNumber()

public void deposit(double amt){

balance += amt;

addPaymentHistory("Deposit", amt);

} // end deposit()

public void withdraw(double amt){

balance -= amt;

addPaymentHistory("Withdraw", amt);

} // end withdraw()

private void addPaymentHistory(String wOrD, double amt){

String[] storage;

if(PaymentHistorys == null)

PaymentHistorys = new String[1];

else{

storage = PaymentHistory;

PaymentHistorys = new String[PaymentHistorys.length + 1];

for(int i = 0; i < storage.length; i++)

PaymentHistory[i] = storage[i];

}

PaymentHistorys[PaymentHistorys.length - 1] = wOrD + " " + amt;

} // end addPaymentHistory()

public String getPaymentHistory(){

String rv = "";

for(int i = 0; i < PaymentHistorys.length; i++){

if(i == PaymentHistorys.length - 1)

rv += "\t" + PaymentHistory[i];

else

rv += "\t" + PaymentHistory[i] + "\n";

}

return rv;

} // end getPaymentHistory()

public String toString(){

if(balance \* 100 % 10 == 0)

return "Name: " + name + ", Acct: " + accountNumber + ", Balance: $" + balance + "0";

return "Name: " + name + ", Acct: " + accountNumber + ", Balance: $" + balance;

} // end toString()

} // end CrapitalizeAccount