

Execution Chart:

// your header files

BankAccountMain.cpp

BankAccountHeader.h

BankAccount.cpp

// constant size of the array

// declare an array of BankAccount objects called accountsArray of size = SIZE

// declare an ifstream called inFile that allows the program to open the text file

// declare an integer called largest which will hold the index for the largest BankAccount object, returned by the largest method

// declare a string called largestOutput which contains the toString of the largest BankAccount object and a string labeling declaring it is the largest BankAccount

// declare an integer called smallest which will hold the index for the smallest BankAccount object, returned by the smallest method

// declare a string called smallestOutput which contains the toString of the smallest BankAccount object and a string labeling it is the smallest BankAccount

// function prototypes

// method to fill array from file, details of input and output values and purpose of function

void fillArray (ifstream &input, BankAccount accountsArray[]);

// method to find the largest account using balance as key

int largest(BankAccount accountsArray[]);

// method to find the smallest account using balance as key

int smallest(BankAccount accountsArray[]);

// method to display all elements of the accounts array

void printArray(BankAccount accountsArray[]);

int main() {

```
// function calls come here:  
// give the function call and a comment about the purpose,  
// and input and return value if any  
//open file  
//fill accounts array  
//print array  
//find largest  
//display the largest  
//find smallest  
//display the smallest  
//find duplicates and display if found  
}
```

Test Evidence:

FAVORITE BANK – CUSTOMER DETAILS

Account Name: Matilda Patel
Account Number: 1232
Account Balance: -4.00

Account Name: Fernando Diaz
Account Number: 1234
Account Balance: 250.00

Account Name: Vai vu
Account Number: 1240
Account Balance: 987.56

Account Name: Howard Chen
Account Number: 1236
Account Balance: 194.56

Account Name: Vai vu
Account Number: 1240
Account Balance: -888987.56

Account Name: Sugata Misra
Account Number: 1238
Account Balance: 10004.80

Account Name: Fernando Diaz
Account Number: 1234
Account Balance: 8474.00

Account Name: Lily Zhaou
Account Number: 1242
Account Balance: 1.98

Largest Balance:
Account Name: Sugata Misra
Account Number: 1238
Account Balance: 10004.80

Smallest Balance:
Account Name: Vai vu
Account Number: 1240
Account Balance: -888987.56

Duplicate Accounts Found : Reprinting List

FAVORITE BANK – CUSTOMER DETAILS

Account Name: Matilda Patel
Account Number: 1232
Account Balance: -4.00

Account Name: Fernando Diaz
Account Number: 1234
Account Balance: 250.00

Account Name: Vai vu
Account Number: 1240
Account Balance: 987.56

Account Name: Howard Chen
Account Number: 1236
Account Balance: 194.56

Account Name: XXXX XXXX
Account Number: 0
Account Balance: 0.00

Account Name: Sugata Misra
Account Number: 1238
Account Balance: 10004.80

Account Name: XXXX XXXX
Account Number: 0
Account Balance: 0.00

Account Name: Lily Zhaou
Account Number: 1242
Account Balance: 1.98

Program ended with exit code: 0