Program 5 Specs

Project Plan

Carolina Card Processing 2

Balance Report

1. Read the master file containing student accounts and match them to the transaction file containing account transactions to be processed using “**Student ID**” as the key field.
2. Adjust individual balances, to reflect the matching transactions of the transaction file for the New Master File.
3. Create a new master file with updated balance, and print a report to list first name, last name, student id,  of students and their matching transactions.
4. Create a Master/Transaction matching report that gives the student's first name, last name, student id, balance (from the old master file), transaction type, and amount.
5. Create an error report for transaction file records that have not been matched to the old master file.

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Restrictions the maximum value that the deposit, withdraw, and balance fields can take is 3 digits

The minimum value of the deposit, withdraw, and balance field is $0.00

Only one type of transaction (deposit or withdraw), occurs per record in transaction file.

There are no negative balances.

Whole dollar amounts only.

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1. Input File layout.

**MASTER FILE LAYOUT**

Field                                     length                      class

First Name                           10                            alpha numeric

Last Name                           10                            alpha numeric

Student ID                            5                             alpha numeric

Balance                                3                             numeric

**TRANSACTION FILE LAYOUT**

Field                                     length                      class

Student ID                            5                             alpha numeric

Transaction type                   1                            alpha numeric

amount                                 3                            numeric

Match flag                            1                             alpha numeric

(Transaction type is either ‘D’ for deposit or ‘W’ for withdraw)

1. Output file Layout

Heading- “Updated Master File”

**MASTER FILE LAYOUT**

Field                                     length                      class

First Name                           10                            alpha numeric

Last Name                           10                            alpha numeric

Student ID                            5                             alpha numeric

Balance                                3                             numeric

**Report**

Heading- Master/Transaction Match Report

Field headings- First Name, Last Name, Student ID, Balance, Transaction, Amount

**Error-report**

Heading-Error Report

Field heading-Error-type, Student ID, Transaction, Amount

(Ex. Not found 19234 W 100)