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1 IDENTIFICATION DIVISION.
2 PROGRAM-ID. ALL-ACCOUNTS-BALANCE.
3 ENVIRONMENT DIVISION.
4 CONFIGURATION SECTION.
5 SOURCE-COMPUTER.
6 OBJECT-COMPUTER.
7 INPUT-OUTPUT SECTION.
8 FILE-CONTROL.
9     SELECT JOURNAL-FILE ASSIGN TO DISK
10     ORGANIZATION IS LINE SEQUENTIAL.
11     SELECT LEDGER-FILE ASSIGN TO DISK
12     ORGANIZATION IS LINE SEQUENTIAL.
13 DATA DIVISION.
14 FILE SECTION.
15 FD JOURNAL-FILE
16     LABEL RECORDS ARE STANDARD
17     VALUE OF FILE-ID IS "JOURNAL.TXT"
18     DATA RECORD IS JOUR-REC.
19     01 JOUR-REC.
20         02 TRAN-DATE PIC 99/99/99.
21         02 DEBIT-AC PIC X(20).
22         02 CREDIT-AC PIC X(20).
23         02 TRAN-AMOUNT PIC 9(10)V99.
24 FD LEDGER-FILE
25     LABEL RECORDS ARE STANDARD
26     VALUE OF FILE-ID IS "LEDGER.TXT"
27     DATA RECORD IS LEDGER-REC.
28     01 LEDGER-REC.
29         02 AC-NAME PIC X(20).
30         02 DEBIT-TOTAL PIC 9(10)V99.
31         02 CREDIT-TOTAL PIC 9(10)V99.
32 WORKING-STORAGE SECTION.
33     01 SHOW-REC.
34         02 FILLER PIC X.
35         02 E-AC-NAME PIC X(20).
36         02 FILLER PIC X.
37         02 E-DEBIT-TOTAL PIC Z(9)9.99.
38         02 FILLER PIC XX.
39         02 E-CREDIT-TOTAL PIC Z(9)9.99.
40     77 D-FLAG PIC X VALUE IS "N".
41     77 C-FLAG PIC X VALUE IS "N".
42     77 HIT PIC X.
43 PROCEDURE DIVISION.
44 MAIN-PARA.
45     PERFORM INITIALIZATION.
46     ACCEPT HIT.
47     PERFORM UPDATION.
48     STOP RUN.
49
50 INITIALIZATION SECTION.
51 START-PARA.
52     OPEN INPUT JOURNAL-FILE.
53 READ-JOURNAL.
54     READ JOURNAL-FILE RECORD AT END GO TO INIT-DISPLAY.
55     OPEN INPUT LEDGER-FILE.
56 READ-LEDGER-1.
57     READ LEDGER-FILE RECORD AT END GO TO INSERT-RECORD.
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58         IF D-FLAG = "N"
59             IF DEBIT-AC = AC-NAME
60                 MOVE "Y" TO D-FLAG.
61         IF C-FLAG = "N"
62             IF CREDIT-AC = AC-NAME
63                 MOVE "Y" TO C-FLAG.
64         IF D-FLAG = "Y" AND C-FLAG = "Y"
65             MOVE "N" TO D-FLAG
66             MOVE "N" TO C-FLAG
67             CLOSE LEDGER-FILE
68             GO TO READ-JOURNAL
69         ELSE
70             GO TO READ-LEDGER-1.
71     INSERT-RECORD.
72         IF D-FLAG = "N"
73             MOVE DEBIT-AC TO AC-NAME
74             MOVE 0 TO DEBIT-TOTAL
75             MOVE 0 TO CREDIT-TOTAL
76             CLOSE LEDGER-FILE
77             OPEN EXTEND LEDGER-FILE
78             WRITE LEDGER-REC.
79         IF C-FLAG = "N"
80             MOVE CREDIT-AC TO AC-NAME
81             MOVE 0 TO DEBIT-TOTAL
82             MOVE 0 TO CREDIT-TOTAL
83             CLOSE LEDGER-FILE
84             OPEN EXTEND LEDGER-FILE
85             WRITE LEDGER-REC.
86         MOVE "N" TO D-FLAG.
87         MOVE "N" TO C-FLAG.
88         CLOSE LEDGER-FILE.
89         GO TO READ-JOURNAL.
90     INIT-DISPLAY.
91         OPEN INPUT LEDGER-FILE.
92         DISPLAY (01 01) ERASE.
93         DISPLAY "Initialization".
94         DISPLAY "-----".
95         DISPLAY " A/C NAME                DEBIT-TOTAL    CREDIT-TOTAL".
96         DISPLAY "-----".
97     READ-LEDGER-2.
98         READ LEDGER-FILE RECORD AT END GO TO CLOSE-PARA.
99         MOVE AC-NAME TO E-AC-NAME.
100        MOVE DEBIT-TOTAL TO E-DEBIT-TOTAL.
101        MOVE CREDIT-TOTAL TO E-CREDIT-TOTAL.
102        DISPLAY SHOW-REC.
103        GO TO READ-LEDGER-2.
104     CLOSE-PARA.
105         DISPLAY "===== ".
106         CLOSE JOURNAL-FILE LEDGER-FILE.
107
108     UPDATION SECTION.
109     START-PARA.
110         OPEN INPUT JOURNAL-FILE.
111     READ-JOURNAL.
112         READ JOURNAL-FILE RECORD AT END GO TO FINAL-DISPLAY.
113         OPEN I-O LEDGER-FILE.
114     READ-LEDGER-1.
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115         READ LEDGER-FILE RECORD AT END GO TO ERROR-PARA.
116         IF DEBIT-AC = AC-NAME
117             COMPUTE DEBIT-TOTAL = DEBIT-TOTAL + TRAN-AMOUNT
118             MOVE "Y" TO D-FLAG
119             REWRITE LEDGER-REC.
120         IF CREDIT-AC = AC-NAME
121             COMPUTE CREDIT-TOTAL = CREDIT-TOTAL + TRAN-AMOUNT
122             MOVE "Y" TO C-FLAG
123             REWRITE LEDGER-REC.
124         IF D-FLAG = "Y" AND C-FLAG = "Y"
125             MOVE "N" TO D-FLAG
126             MOVE "N" TO C-FLAG
127             CLOSE LEDGER-FILE
128             GO TO READ-JOURNAL
129         ELSE
130             GO TO READ-LEDGER-1.
131     ERROR-PARA.
132         DISPLAY DEBIT-AC "OR" CREDIT-AC.
133         DISPLAY "Account Name not found in the Ledger".
134         ACCEPT HIT.
135         CLOSE LEDGER-FILE.
136         GO TO READ-JOURNAL.
137     FINAL-DISPLAY.
138         OPEN INPUT LEDGER-FILE.
139         DISPLAY "After Updation".
140         DISPLAY "-----".
141         DISPLAY " A/C NAME                DEBIT-TOTAL    CREDIT-TOTAL".
142         DISPLAY "-----".
143     READ-LEDGER-2.
144         READ LEDGER-FILE RECORD AT END GO TO CLOSE-PARA.
145         MOVE AC-NAME TO E-AC-NAME.
146         MOVE DEBIT-TOTAL TO E-DEBIT-TOTAL.
147         MOVE CREDIT-TOTAL TO E-CREDIT-TOTAL.
148         DISPLAY SHOW-REC.
149         GO TO READ-LEDGER-2.
150     CLOSE-PARA.
151         DISPLAY "===== ".
152         CLOSE JOURNAL-FILE LEDGER-FILE.

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No errors or warnings

Data area size = 992

Code area size = 1162