EAD95809 - BALANCE LINE

EAD95809 - COBOL

```
EDIT       GR.EAD958.COBLIB(EAD95809) - 01.07            Columns 00001 00072
****** **************************** Top of Data ****************************
000100        IDENTIFICATION DIVISION.

000200        PROGRAM-ID.

000300           EAD95809.

000400        AUTHOR.

000500           LUCAS.

000600        *************************************************

000700        *                 BALANCE LINE                  *

000800        *************************************************

000900        *

001000        ENVIRONMENT DIVISION.

001100        CONFIGURATION SECTION.

001200        SPECIAL-NAMES.

001300           DECIMAL-POINT IS COMMA.

001400        INPUT-OUTPUT SECTION.

001500        FILE-CONTROL.

001600           SELECT ARQ-CLIENTES ASSIGN TO CLIENTES

001700               FILE STATUS IS WK-FS-CLIENTES.

001710           SELECT ARQ-LANCAM   ASSIGN TO LANCAM

001720               FILE STATUS IS WK-FS-LANCAM.

001730           SELECT ARQ-CLIENTEN ASSIGN TO CLIENTEN

001740               FILE STATUS IS WK-FS-CLIENTEN.

001800        *

001900        DATA DIVISION.

002000        FILE SECTION.
```

```
002100        FD   ARQ-CLIENTES

002200             RECORDING MODE IS F.

002300        01  REG-CLIENTES.

002310            05 FD-CHAVE-CLIENTES.

002400                10 FD-AGENCIA-CLIENTES    PIC X(4).

002500                10 FD-CONTA-CLIENTES      PIC 9(5).

002600            05 FD-NOME-CLIENTES       PIC A(20).

002700            05 FD-SALDO-CLIENTES      PIC 9(6)V99.

002710        FD   ARQ-LANCAM

002720             RECORDING MODE IS F.

002730        01  REG-LANCAM.

002740            05 FD-CHAVE-LANCAM.

002750                10 FD-AGENCIA-LANCAM     PIC X(4).

002760                10 FD-CONTA-LANCAM       PIC 9(5).

002761            05 FD-DOC-LANCAM         PIC 9(4).

002770            05 FD-TIPO-LANCAM        PIC A.

002780            05 FD-VALOR-LANCAM       PIC 9(6)V99.

002790        FD   ARQ-CLIENTEN

002791             RECORDING MODE IS F.

002792        01  REG-CLIENTEN.

002793            05 FD-CHAVE-CLIENTEN.

002794                10 FD-AGENCIA-CLIENTEN    PIC X(4).

002795                10 FD-CONTA-CLIENTEN      PIC 9(5).

002798            05 FD-NOME-CLIENTEN      PIC A(20).

002799            05 FD-SALDO-CLIENTEN     PIC 9(6)V99.

002800        WORKING-STORAGE SECTION.

002900        77  WK-FS-CLIENTES PIC XX          VALUE SPACES.

002910        77  WK-FS-LANCAM   PIC XX          VALUE SPACES.
```

```cobol
002920       77  WK-FS-CLIENTEN PIC XX         VALUE SPACES.
003000       77  WK-SALDO-EDIT  PIC ZZZ.ZZ9,99  VALUE ZEROS.
003010       77  WK-VALOR-EDIT  PIC ZZZ.ZZ9,99  VALUE ZEROS.
003100      *
003200       PROCEDURE DIVISION.
003300       000-PRINCIPAL SECTION.
003400       001-PRINCIPAL.
003500          PERFORM 101-INICIAR.
003600          PERFORM 201-PROCESSAR UNTIL WK-FS-CLIENTES = '10'
003610                                  AND WK-FS-LANCAM   = '10'.
003700          PERFORM 901-FINALIZAR.
003800          STOP RUN.
003900      ************************************************************
004000       100-INICIAR SECTION.
004100       101-INICIAR.
004110          PERFORM 102-ABRIR-CLIENTES.
004120          PERFORM 103-ABRIR-LANCAM.
004130          PERFORM 104-ABRIR-CLIENTEN.
004140       102-ABRIR-CLIENTES.
004200          OPEN INPUT ARQ-CLIENTES.
004300          EVALUATE WK-FS-CLIENTES
004400              WHEN '00'
004500                  PERFORM 301-LER-CLIENTES
004600              WHEN '35'
004700                  DISPLAY 'ARQUIVO CLIENTES NAO ENCONTRADO'
004800                  MOVE 12 TO RETURN-CODE
004900                  STOP RUN
```

```
005000            WHEN OTHER
005100                DISPLAY 'ERRO ' WK-FS-CLIENTES
005200                        ' NO COMANDO OPEN CLIENTES'
005300                MOVE 12 TO RETURN-CODE
005400                STOP RUN
005500          END-EVALUATE.
005510      103-ABRIR-LANCAM.
005520          OPEN INPUT ARQ-LANCAM.
005530          EVALUATE WK-FS-LANCAM
005540            WHEN '00'
005550                PERFORM 302-LER-LANCAM
005560            WHEN '35'
005570                DISPLAY 'ARQUIVO LANCAM NAO ENCONTRADO'
005580                MOVE 12 TO RETURN-CODE
005590                STOP RUN
005591            WHEN OTHER
005592                DISPLAY 'ERRO ' WK-FS-LANCAM
005593                        ' NO COMANDO OPEN LANCAMENTOS'
005594                MOVE 12 TO RETURN-CODE
005595                STOP RUN
005596          END-EVALUATE.
005597      104-ABRIR-CLIENTEN.
005598          OPEN OUTPUT ARQ-CLIENTEN.
005599          EVALUATE WK-FS-CLIENTEN
005600            WHEN '00'
005601                CONTINUE
005606            WHEN OTHER
005607                DISPLAY 'ERRO ' WK-FS-CLIENTEN
```

```
005608                          ' NO COMANDO OPEN CLIENTEN'

005609                MOVE 12 TO RETURN-CODE

005610                STOP RUN

005611        END-EVALUATE.

005620     ***********************************************

005700     200-PROCESSAR SECTION.

005800     201-PROCESSAR.

005900        EVALUATE TRUE

006000            WHEN FD-CHAVE-CLIENTES < FD-CHAVE-LANCAM

006100                PERFORM 202-GRAVAR-CLIENTEN

006200                PERFORM 301-LER-CLIENTES

006300            WHEN FD-CHAVE-CLIENTES = FD-CHAVE-LANCAM

006400                PERFORM 203-EXEC-LANCAM

006500                PERFORM 302-LER-LANCAM

006510            WHEN OTHER

006520                DISPLAY 'CHAVE LANCAMENTO : ' FD-CHAVE-LANCAM

006530                        ' ESTA ERRADA NO DOCUMENTO ' FD-DOC-LANCAM

006540                PERFORM 302-LER-LANCAM

006550        END-EVALUATE.

006560     202-GRAVAR-CLIENTEN.

006561        MOVE FD-SALDO-CLIENTES TO WK-SALDO-EDIT.

006570        DISPLAY '    SALDO FINAL = ' WK-SALDO-EDIT.

006571        DISPLAY '-----------------------------'.

006580        MOVE REG-CLIENTES  TO REG-CLIENTEN.

006590        WRITE REG-CLIENTEN.

006591        IF WK-FS-CLIENTEN NOT EQUAL '00'

006592            DISPLAY 'ERRO ' WK-FS-CLIENTEN
```

```cobol
006593                   ' NO COMANDO WRITE CLIENTEN'
006594              MOVE 12 TO RETURN-CODE
006595              STOP RUN
006596          END-IF.
006597      203-EXEC-LANCAM.
006598          EVALUATE FD-TIPO-LANCAM
006599              WHEN 'C'
006600                  ADD FD-VALOR-LANCAM  TO FD-SALDO-CLIENTES
006601                  MOVE FD-VALOR-LANCAM TO WK-VALOR-EDIT
006602                  DISPLAY '       CREDITO : ' WK-VALOR-EDIT
006603              WHEN 'D'
006604                  IF FD-VALOR-LANCAM > FD-SALDO-CLIENTES
006605                      DISPLAY 'SALDO INSUFICIENTE NO DOCUMENTO '
006606                              FD-DOC-LANCAM
006607                  ELSE
006608                      SUBTRACT FD-VALOR-LANCAM FROM FD-SALDO-CLIENTES
006609                      MOVE FD-VALOR-LANCAM TO WK-VALOR-EDIT
006610                      DISPLAY '       DEBITO : ' WK-VALOR-EDIT
006611                  END-IF
006612              WHEN OTHER
006613                  DISPLAY 'TIPO LANCAMENTO : ' FD-TIPO-LANCAM
006614                          ' ESTA ERRADO NO DOCUMENTO ' FD-DOC-LANCAM
006615          END-EVALUATE.
006620      **********************************************
006700      300-LER-CLIENTES SECTION.
006800      301-LER-CLIENTES.
006900          READ ARQ-CLIENTES.
007000          EVALUATE WK-FS-CLIENTES
```

```
007100              WHEN '00'
007110                  MOVE FD-SALDO-CLIENTES TO WK-SALDO-EDIT
007200                  DISPLAY FD-AGENCIA-CLIENTES ' '
007210                          FD-CONTA-CLIENTES ' '
007220                          FD-NOME-CLIENTES ' '
007240                  DISPLAY '   SALDO INICIAL = ' WK-SALDO-EDIT
007300              WHEN '10'
007400                  MOVE HIGH-VALUES TO FD-CHAVE-CLIENTES
007500              WHEN OTHER
007600                  DISPLAY 'ERRO ' WK-FS-CLIENTES
007700                          ' NO COMANDO READ CLIENTES'
007800                  MOVE 12 TO RETURN-CODE
007900                  STOP RUN
008000          END-EVALUATE.
008010      302-LER-LANCAM.
008020          READ ARQ-LANCAM.
008030          EVALUATE WK-FS-LANCAM
008040              WHEN '00'
008050                  CONTINUE
008091              WHEN '10'
008093                  MOVE HIGH-VALUES TO FD-CHAVE-LANCAM
008094              WHEN OTHER
008095                  DISPLAY 'ERRO ' WK-FS-LANCAM
008096                          ' NO COMANDO READ LANCAM'
008097                  MOVE 12 TO RETURN-CODE
008098                  STOP RUN
008099          END-EVALUATE.
```

```
008100          ******************************************

008200          900-FINALIZAR SECTION.

008300          901-FINALIZAR.

008400             CLOSE ARQ-CLIENTES.

010700             CLOSE ARQ-LANCAM.

010800             CLOSE ARQ-CLIENTEN.

010900             IF WK-FS-CLIENTEN NOT EQUAL '00'

011000                 DISPLAY 'ERRO ' WK-FS-CLIENTEN

011100                         ' NO COMANDO CLOSE CLIENTEN'

011110                 DISPLAY 'ERRO AO SALVAR ARQUIVO'

011200                 MOVE 12 TO RETURN-CODE

011300             END-IF.
```

COMPILADOR

```
EDIT       GR.EAD958.JOBLIB(COMPCOBL) - 01.17          Columns 00001 00072
****** ***************************** Top of Data *****************************
000001 //EAD958CB JOB 'EAD958',CLASS=C,MSGCLASS=X,NOTIFY=&SYSUID
000002 //*---------------------------------------------------------------*
000003 //*          JOB DE COMPILACAO DE PROGRAMA COBOL                  *
000004 //*                                                               *
000005 //*     NOME = SEU PROGRAMA                                       *
000006 //*     LIB1 = SUA CHAVE *
000007 //*     NAME = SEU PROGRAMA                                       *
000008 //*---------------------------------------------------------------*
000009 // JCLLIB  ORDER=GR.GERAL.PROCLIB
000010 //COBCOMP  EXEC DFHCOBLB,LIB1=GR.EAD958,NOME='EAD95809',LIB2=GR.GERAL
000011 //LKED.SYSIN   DD   *
000012   NAME EAD95809(R)
000013 /*
```

EXECUTÁVEL - EXEC09

```
EDIT       GR.EAD958.JOBLIB(EXEC09) - 01.02           Columns 00001 00072
****** ***************************** Top of Data *****************************
000001 //EAD958CB JOB 'EAD958',CLASS=C,MSGCLASS=X,NOTIFY=EAD958,TIME=(0,10)
000002 //****************************************************************
000003 //*                  APAGAR O CLIENTE                            *
000004 //****************************************************************
000005 //APAGAR   EXEC PGM=IEFBR14
000006 //ARQUIVO  DD   DSN=GR.EAD958.CLIENTEN,DISP=(MOD,DELETE,DELETE),
000007 //         SPACE=(TRK,(1,1),RLSE),UNIT=SYSDA
000008 //****************************************************************
000009 //*        EXECUTAR BALANCE LINE                                 *
```

```
000010 //***********************************************************
000011 //EXECUT   EXEC PGM=EAD95809
000012 //STEPLIB  DD   DSN=GR.GERAL.LOADLIB,DISP=SHR
000013 //CLIENTES DD   DSN=GR.EAD958.CLIENTES,DISP=OLD
000014 //LANCAM   DD   DSN=GR.EAD958.LANCAM,DISP=OLD
000015 //CLIENTEN DD   DSN=GR.EAD958.CLIENTEN,DISP=(NEW,CATLG,DELETE),
000016 //            UNIT=SYSDA,SPACE=(TRK,(1,1),RLSE),
000017 //            DCB=(LRECL=37,RECFM=FB,BLKSIZE=0)
```

ARQ - CLIENTES

```
EDIT        GR.EAD958.CLIENTES                        Columns 00001 00037
****** *************************** Top of Data ***************************
000001 AA0122222JOSE              00100000
000002 BB0112345PEDRO             00200000
000003 BB0233333MARIA             00080000
****** *************************** Bottom of Data ***************************
```

ARQ - LANCAM

```
EDIT        GR.EAD958.LANCAM                          Columns 00001 00022
****** *************************** Top of Data ***************************
000001 BB01123450001C00050000
000002 BB01123450002D00110000
000003 BB01123450003D00500000
000004 BB01223450004C00200000
****** *************************** Bottom of Data ***************************
```

ARQ - CLIENTEN

```
EDIT        GR.EAD958.CLIENTEN                        Columns 00001 00037
****** *************************** Top of Data ***************************
000001 AA0122222JOSE              00100000
000002 BB0112345PEDRO             00140000
000003 BB0233333MARIA             00080000
****** *************************** Bottom of Data ***************************
```

SAÍDA

```
*********************************** TOP OF DATA ****************
AA01 22222 JOSE
    SALDO INICIAL =   1.000,00
    SALDO FINAL =    1.000,00
--------------------------------
BB01 12345 PEDRO
    SALDO INICIAL =   2.000,00
        CREDITO :     500,00
        DEBITO :   1.100,00
SALDO INSUFICIENTE NO DOCUMENTO 0003
    SALDO FINAL =    1.400,00
--------------------------------
BB02 33333 MARIA
    SALDO INICIAL =     800,00
CHAVE LANCAMENTO : BB0122345 ESTA ERRADA NO DOCUMENTO 0004
    SALDO FINAL =     800,00
--------------------------------
*********************************** BOTTOM OF DATA *************
```