EAD95803 - Operações Aritméticas

```
000100       IDENTIFICATION DIVISION.
000200       PROGRAM-ID.
000300           EAD95803.
000400       AUTHOR.
000500           LUCAS.
000600       *******************************************
000700       *          OPERACOES ARITMETICAS          *
000800       *******************************************
000900       *
001000       ENVIRONMENT DIVISION.
001010       CONFIGURATION SECTION.
001020       SPECIAL-NAMES.
001030           DECIMAL-POINT IS COMMA.
001100       *
001200       DATA DIVISION.
001300       WORKING-STORAGE SECTION.
001400       77  N1          PIC 9(2)V9    VALUE ZEROS.
001500       77  N2          PIC 9(2)V9    VALUE ZEROS.
001600       77  N3          PIC S9(3)V9   VALUE ZEROS.
001700       77  N1-EDIT     PIC Z9,9      VALUE ZEROS.
001800       77  N2-EDIT     PIC Z9,9      VALUE ZEROS.
001900       77  N3-EDIT     PIC -ZZ9,9    VALUE ZEROS.
002000       77  N4          PIC 9(2)      VALUE ZEROS.
002100       77  N5          PIC 9(2)      VALUE ZEROS.
002200       77  N6          PIC 9(2)      VALUE ZEROS.
002300       77  N7          PIC 9(2)      VALUE ZEROS.
003600       *
003700       PROCEDURE DIVISION.
003800       UNICA SECTION.
003900       INICIO.
004000           ACCEPT N1 FROM SYSIN.
004100           ACCEPT N2 FROM SYSIN.
004101           ACCEPT N4 FROM SYSIN.
004102           ACCEPT N5 FROM SYSIN.
004110           MOVE   N1 TO   N1-EDIT.
004120           MOVE   N2 TO   N2-EDIT.
004200       *    SOMA USANDO TO (ACUMULAR)
004300           MOVE 10   TO N3.
004400           ADD N1 N2 TO N3.
004410           MOVE N3   TO N3-EDIT.
004500           DISPLAY 'A SOMA DE '  N1-EDIT
004600                   ' COM '       N2-EDIT
004700                   ' MAIS 10 = ' N3-EDIT.
004800       *    SOMA USANDO GIVING (N O ACUMULAR)
005000           ADD N1 N2 GIVING N3.
005100           MOVE N3   TO N3-EDIT.
005200           DISPLAY 'A SOMA DE '  N1-EDIT
005210                   ' COM '       N2-EDIT
005220                   ' = '         N3-EDIT.
005230       *    SUBTRACAO
```

```
005240          SUBTRACT N2 FROM N1 GIVING N3.
005250          MOVE N3   TO N3-EDIT.
005260          DISPLAY 'A DIFERENCA DE ' N1-EDIT
005270                  ' E '              N2-EDIT
005280                  ' = '              N3-EDIT.
005290      *     MULTIPLICACAO
005291          MULTIPLY N1 BY N2 GIVING N3 ROUNDED
005292             ON SIZE ERROR
005293                DISPLAY 'ESTOURO DO RESULTADO DA MULTIPLICACAO'
005294             NOT ON SIZE ERROR
005297                MOVE N3   TO N3-EDIT
005298                DISPLAY 'O PRODUTO DE '   N1-EDIT
005299                        ' E '             N2-EDIT
005300                        ' = '             N3-EDIT
005310          END-MULTIPLY.
005320      *     DIVISAO
005330          DIVIDE N1 BY N2 GIVING N3.
005340          MOVE N3   TO N3-EDIT.
005350          DISPLAY 'A DIVISAO DE ' N1-EDIT
005360                  ' POR '        N2-EDIT
005370                  ' = '          N3-EDIT.
005380      *     DIVISAO COM RESTO
005390          DIVIDE N4 BY N5 GIVING N6 REMAINDER N7.
005392          DISPLAY 'A DIVISAO DE ' N4
005393                  ' POR '         N5
005394                  ' = '           N6
005395                  ' COM RESTO = ' N7.
005396      *     CALCULAR A MEDIA ENTRE N1 E N2
005397          COMPUTE N3 = (N1 + N2) / 2.
005398          MOVE N3   TO N3-EDIT.
005399          DISPLAY 'A MEDIA DE ' N1-EDIT
005400                  ' E '         N2-EDIT
005410                  ' = '         N3-EDIT.
005500          STOP RUN.
```

COMPILADOR

```
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='EAD95803',LIB2=GR.GERAL
000011 //LKED.SYSIN   DD   *
000012   NAME EAD95803(R)
000013 /*
```

EXECUTÁVEL - EXEC03

```
000001 //EAD958CB JOB 'EAD958',CLASS=C,MSGCLASS=X,NOTIFY=EAD958,TIME=(0,10)
000002 //*************************************************************
000003 //*                    OPERACOES ARITMETICAS
000004 //*************************************************************
000005 //EXECUT   EXEC PGM=EAD95803
000006 //STEPLIB  DD   DSN=GR.GERAL.LOADLIB,DISP=SHR
000007 //SYSIN    DD   *
000008 885
000009 443
000010 17
000011 05
```

SAÍDA

```
 SDSF OUTPUT DISPLAY EAD958CB JOB04266   DSID    102 LINE 0
 COMMAND INPUT ===>
 ***************************** TOP OF DATA ***************
A SOMA DE 88,5 COM 44,3 MAIS 10 =   142,8
A SOMA DE 88,5 COM 44,3 =   132,8
A DIFERENCA DE 88,5 E 44,3 =    44,2
ESTOURO DO RESULTADO DA MULTIPLICACAO
A DIVISAO DE 88,5 POR 44,3 =     1,9
A DIVISAO DE 17 POR 05 = 03 COM RESTO = 02
A MEDIA DE 88,5 E 44,3 =   66,4
 ***************************** BOTTOM OF DATA ***********
```