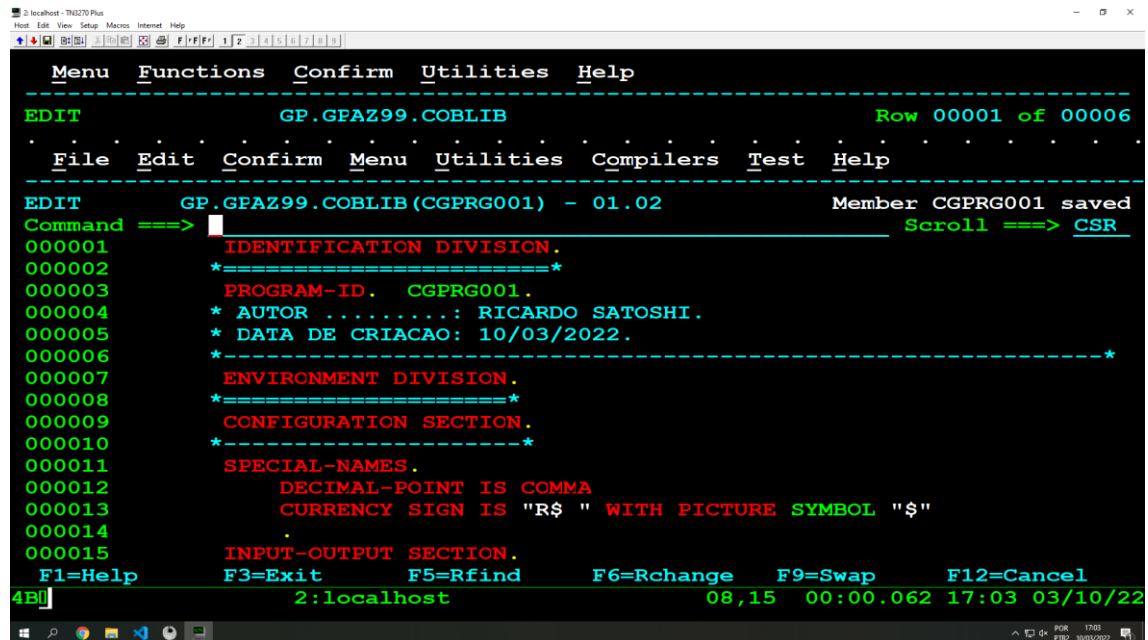


Giovani Targino – RA: 1680482012051

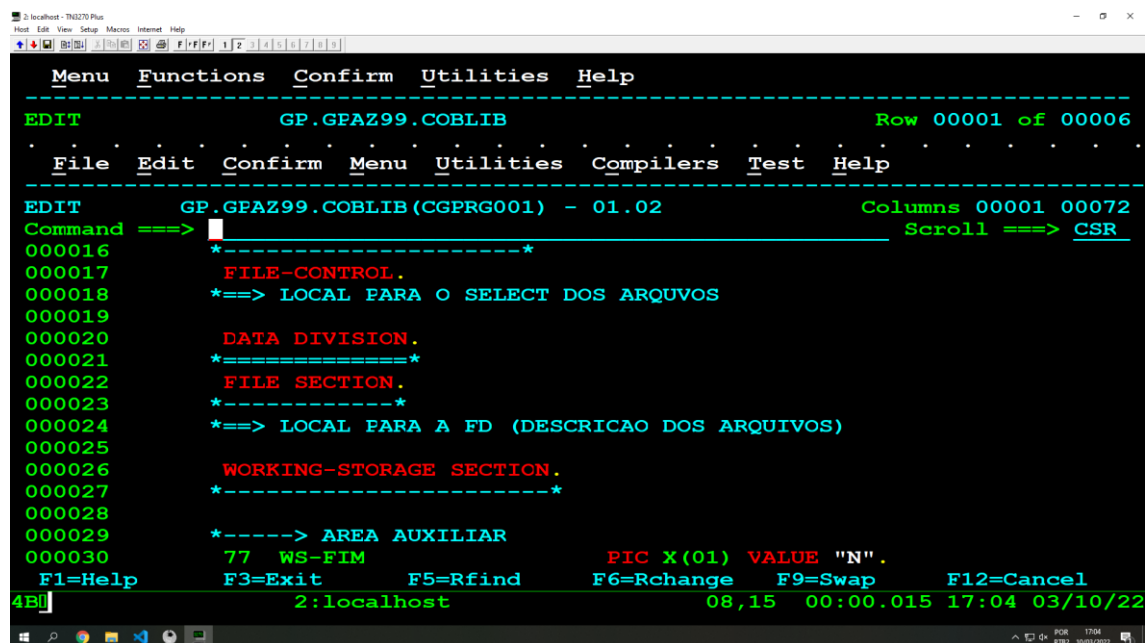
Thiago Mendes – RA: 1680482012039

Programação a Mainframe – 10/03/2022



The screenshot shows a mainframe terminal window titled "2: localhost - TN0270 Plus". The window displays a COBOL program being edited. The menu bar includes "Menu", "Functions", "Confirm", "Utilities", and "Help". The status bar at the top indicates "Row 00001 of 00006". The program text is as follows:

```
EDIT GP.GPAZ99.COBLIB
Command ==>
000001 IDENTIFICATION DIVISION.
000002 *=====
000003 PROGRAM-ID. CGPRG001.
000004 * AUTOR .....: RICARDO SATOSHI.
000005 * DATA DE CRIACAO: 10/03/2022.
000006 *-----*
000007 ENVIRONMENT DIVISION.
000008 *=====
000009 CONFIGURATION SECTION.
000010 *-----*
000011 SPECIAL-NAMES.
000012 DECIMAL-POINT IS COMMA
000013 CURRENCY SIGN IS "R$ " WITH PICTURE SYMBOL "$"
000014
000015 INPUT-OUTPUT SECTION.
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 08,15 00:00.062 17:03 03/10/22
```



The screenshot shows the same mainframe terminal window, now displaying the second part of the COBOL program. The status bar at the top indicates "Columns 00001 00072". The program text continues as follows:

```
EDIT GP.GPAZ99.COBLIB(CGPRG001) - 01.02
Command ==>
000016 *-----*
000017 FILE-CONTROL.
000018 *==> LOCAL PARA O SELECT DOS ARQUIVOS
000019
000020 DATA DIVISION.
000021 *=====
000022 FILE SECTION.
000023 *-----*
000024 *==> LOCAL PARA A FD (DESCRICAO DOS ARQUIVOS)
000025
000026 WORKING-STORAGE SECTION.
000027 *-----*
000028
000029 *-----> AREA AUXILIAR
000030 77 WS-FIM PIC X(01) VALUE "N".
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 08,15 00:00.015 17:04 03/10/22
```

```
2 localhost - 780270 Plus
Host Edit View Setup Macros Internet Help
-----
Menu Functions Confirm Utilities Help
-----
EDIT GP.GPAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000027 *-----*
000028
000029 *-----> AREA AUXILIAR
000030 77 WS-FIM PIC X(01) VALUE "N".
000031 77 WS-CTEXIB PIC 9(02).
000032
000033 *-----> DADOS DE SAIDA VIA SYSOUT
000034 01 WS-REG-SYSOUT.
000035 05 WS-NOME PIC A(25).
000036 05 WS-DPTO PIC X(10).
000037 05 WS-FUNCAO PIC X(15).
000038 05 WS-SALARIO PIC 9(04)V99.
000039 05 FILLER PIC X(24) VALUE SPACES.
000040
000041 LINKAGE SECTION.
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 09,42 00:00.000 17:04 03/10/22
```

```
2 localhost - 780270 Plus
Host Edit View Setup Macros Internet Help
-----
Menu Functions Confirm Utilities Help
-----
EDIT GP.GPAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000037 05 WS-FUNCAO PIC X(15).
000038 05 WS-SALARIO PIC 9(04)V99.
000039 05 FILLER PIC X(24) VALUE SPACES.
000040
000041 LINKAGE SECTION.
000042 *-----*
000043 01 LK-PARAMETROS.
000044 05 LK-NR-DPTO PIC 9(04).
000045 05 LK-NOME-DPTO PIC X(15).
000046 05 LK-COD-RETORNO PIC 99.
000047
000048 PROCEDURE DIVISION.
000049 *=====*
000050 *-----*
000051 * PROCESSO PRINCIPAL *
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 09,37 00:00.016 17:05 03/10/22
```

```
2 localhost - 780270 Plus
Host Edit View Setup Macros Internet Help
Menu Functions Confirm Utilities Help
-----
EDIT GP.GFAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GFAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000045 05 LK-NOME-DPTO PIC X(15).
000046 05 LK-COD-RETORNO PIC 99.
000047 *
000048 PROCEDURE DIVISION.
000049 *=====*
000050 *-----*
000051 * PROCESSO PRINCIPAL *
000052 *-----*
000053
000054 PERFORM 010-INICIAR
000055 PERFORM 030-PROCESSAR UNTIL WS-FIM = 'S'
000056 PERFORM 050-TERMINAR
000057 STOP RUN
000058 .
000059 *-----*
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 09,35 00:00.015 17:05 03/10/22
```

```
2 localhost - 780270 Plus
Host Edit View Setup Macros Internet Help
Menu Functions Confirm Utilities Help
-----
EDIT GP.GFAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GFAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000052 *-----*
000053
000054 PERFORM 010-INICIAR
000055 PERFORM 030-PROCESSAR UNTIL WS-FIM = 'S'
000056 PERFORM 050-TERMINAR
000057 STOP RUN
000058 .
000059 *-----*
000060 * PROCEDIMENTOS INICIAIS *
000061 *-----*
000062 010-INICIAR.
000063
000064 DISPLAY "*** INICIO DA EXECUCAO ***"
000065
000066 MOVE ZEROS TO WS-CTEXIB
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 18,01 00:00.016 17:06 03/10/22
```

```
2 localhost - TH0270 Plus
Host Edit View Setup Macros Internet Help
Menu Functions Confirm Utilities Help
-----
EDIT GP.GPAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000061 *-----*
000062 010-INICIAR.
000063
000064 DISPLAY "*** INICIO DA EXECUCAO ***"
000065
000066 MOVE ZEROS TO WS-CTEXIB
000067
000068 *-----*
000069 * PROCESSAR DADOS RECEBIDOS DA SYSIN *
000070 *-----*
000071 030-PROCESSAR.
000072
000073 DISPLAY '*** THIAGO MENDES E GIOVANI TARGINO ***'
000074
000075 MOVE 'CELSO D. GALLAO' TO MS-NOME
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 09,02 00:00.016 17:06 03/10/22
```

```
2 localhost - TH0270 Plus
Host Edit View Setup Macros Internet Help
Menu Functions Confirm Utilities Help
-----
EDIT GP.GPAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000076 MOVE 'A.D.S' TO WS-DEPTO
000077 MOVE 'PROFESSOR' TO WS-FUNCAO
000078 MOVE 1200,00 TO WS-SALARIO
000079
000080 DISPLAY WS-REG-SYSOUT
000081 ADD 1 TO WS-CTEXIB
000082 MOVE 'S' TO WS-FIM
000083
000084 *-----*
000085 * PROCEDIMENTOS FINAIS *
000086 *-----*
000087 050-TERMINAR.
000088
000089 DISPLAY '*** FIM DA EXECUCAO ***'
000090 DISPLAY "REGISTROS EXIBIDOS = " WS-CTEXIB
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 08,15 00:00.015 17:06 03/10/22
```

```
2 localhost - TN0270 Plus
Host Edit View Setup Macros Internet Help
-----
Menu Functions Confirm Utilities Help
-----
EDIT GP.GPAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.COBLIB(CGPRG001) - 01.02 Columns 00001 00072
Command ==> Scroll ==> CSR
000091 DISPLAY "TERMINO NORMAL ... CGPRG001"
000092
000093 *-----> FIM DO PROGRAMA IGPRG000 -----*
***** Bottom of Data *****
-----
F1=Help F3=Exit F5=Rfind F6=Rchange F9=Swap F12=Cancel
4B 2:localhost 08,15 00:00.016 17:07 03/10/22
```

```
2 localhost - TN0270 Plus
Host Edit View Setup Macros Internet Help
-----
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.JOBLIB(RSJ0B001) - 01.02 Member RSJ0B001 saved
Command ==> sub Scroll ==> CSR
***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG> your edit profile using the command RECOVERY ON.
000001 //GPAZ99J1 JOB SATOSHI,MSGCLASS=X,CLASS=C,NOTIFY=GPAZ99,TIME=(0,20)
000002 //*****
000003 //STEP1 EXEC PGM=CGPRG001
000004 //STEPLIB DD DSN=GP.GERAL.LOADLIB,DISP=SHR
000005 //SYSIN DD *
000006 /**
***** Bottom of Data *****

IKJ56250I JOB GPAZ99J1(JOB01412) SUBMITTED
***

4B 2:localhost 22,06 00:00.110 17:46 03/10/22
```

```
2:localhost - TN0270 Plus
17.46.17 JOB01412 $HASP165 GFAZ99J1 ENDED AT N1  MAXCC=0 CN(INTERNAL)
***

4B| 2:localhost 02,06 00:00.031 17:46 03/10/22
```

```
2:localhost - TN0270 Plus
Menu Functions Confirm Utilities Help
-----
EDIT GP.GFAZ99.COBLIB Row 00001 of 00006
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GFAZ99.JOBLIB (COMPCOB) - 01.99 Member COMPCOB saved
Command ==> sub Scroll ==> CSR
***** Top of Data *****
==MSG> -CAUTION- Profile changed to NUMBER ON STD (from NUMBER OFF).
==MSG> Data has valid standard numbers.
==MSG> -Warning- The UNDO command is not available until you change
==MSG> your edit profile using the command RECOVERY ON.
000100 //GFAZ99P9 JOB SATOSHI,MSGCLASS=X,CLASS=C,NOTIFY=GFAZ99,TIME=(0,20)
000200 //*****
000300 //* JOB DE COMPILACAO PROGRAMA COBOL BATCH
000800 //*****
000900 // JCLLIB ORDER=GP.LB.PROCLIB
001000 //COBCOMP EXEC DFHCOBOL,INSTR='GFAZ99',NOME='CGPRG001'
001100 //LKED.SYSIN DD *
IKJ56250I JOB GFAZ99P9(JOB01402) SUBMITTED
***

4B| 2:localhost 22,06 00:00.453 17:10 03/10/22
```

```
2:localhost - TH0270 Plus
Host Edit View Setup Macros Internet Help
17.42.30 JOB01410 $HASP165 GPAZ99P9 ENDED AT N1  MAXCC=0  CN (INTERNAL)
***
4B| 2:localhost 02,06 00:00.031 17:42 03/10/22
```

```
2:localhost - TH0270 Plus
Host Edit View Setup Macros Internet Help
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT GP.GPAZ99.JOBLIB(RSJ0B001) - 01.02 Columns 00001 00072
Display Filter View Print Options Help
-----
SDSF OUTPUT DISPLAY GPAZ99J1 JOB01412 DSID 102 LINE 0 COLUMNS 02- 81
COMMAND INPUT ==> SCROLL ==> CSR
***** TOP OF DATA *****
** INICIO DA EXECUCAO **
** THIAGO MENDES E GIOVANI TARGINO **
CELSO D. GALLAO A.D.S. PROFESSOR 120000
** FIM DA EXECUCAO **
REGISTROS EXIBIDOS = 01
TERMINO NORMAL ... CGPRG001
***** BOTTOM OF DATA *****

F1=HELP F2=SPLIT F3=END F4=RETURN F5=IFIND F6=BOOK
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE
4B| 2:localhost 08,21 00:00.015 17:47 03/10/22
```