



NATURAL 言語コンバージョン・サービス(COBOL 版)

NATURAL 言語を COBOL に変換します。

以下に NATURAL 言語から COBOL 言語に変換した例を掲載します。

プログラム例

変換前 NATURAL ソース

```
V0190**-----< DEFINE DATA >-----**
V0200DEFINE DATA
V0210 GLOBAL USING RGDA
V0220 LOCAL USING SRF020V0
V0230 LOCAL USING SRF030V0
V0240 LOCAL USING ZO02A
V0250 LOCAL USING ZO07L
V0260 LOCAL USING ZO08L
V0270 LOCAL USING ZO10L
V0280 LOCAL
V0290 01 #M-AREA
V0300 02 #M-PRCNBR(A01)
V0310 02 #M-MSGCTT(A66)
V0320 02 #M-PFKGUD(A72)
V0330 01 #W-RDSRF030
VLIB1 RCDAO220
V0340 02 #W-MSGNBR(A04)
V0350 02 #W-MSGCTT(A66)
V0360 01 #W-CUR (N02) INIT <1>
V0370 01 #W-ENDFLG(A01)
V0380 01 #W-OUTPGM(A08)
V0390*
V0430END-DEFINE
V0450** (1.0) M A I N
V0470 INCLUDE ZO10C
V0480 PERFORM P2000-M-INIT
V0490 PERFORM P3000-M-MAIN
V0500 PERFORM P4000-M-END
V0520** (2.0) INIT PROC
V0540DEFINE SUBROUTINE P2000-M-INIT
V0550 SET KEY ALL
V0600 MOVE #C-PFKGUD TO #M-PFKGUD
V0610 RESET #W-ENDFLG #W-OUTPGM #CV-AREA
V0620END-SUBROUTINE
V0640** (3.0) MAIN PROC
V0660DEFINE SUBROUTINE P3000-M-MAIN
V0670 REPEAT
V0680 PERFORM P3100-M-INPMAP
```

変換後 COBOL ソース (一部割愛)

```
**-----< DEFINE DATA >-----**
IDENTIFICATION DIVISION.
PROGRAM-ID. SMPN01.
ENVIRONMENT DIVISION.
INPUT-OUTPUT SECTION.
DATA DIVISION.
WORKING-STORAGE SECTION.
*
01 WORKAREA.
* MAP AREA
03 S-M-AREA.
05 S-M-PRCNBR PIC X(01).
05 S-M-MSGCTT PIC X(66).
05 S-M-PFKGUD PIC X(72).
03 S-W-RDSRF030.
05 S-W-MSGNBR PIC X(04).
05 S-W-MSGCTT PIC X(66).
03 S-W-CUR PIC S9(02) VALUE 1.
03 S-W-ENDFLG PIC X(01).
03 S-W-OUTPGM PIC X(08).
*
03 S-C-PFKGUD PIC X(78) VALUE
'PF3:メイン'.
EXEC SQL INCLUDE SRF020V0.CPY END-EXEC.
EXEC SQL INCLUDE SRF030V0.CPY END-EXEC.
* PF-KEY GUIDE PARM
EXEC SQL INCLUDE ZO02A.CPY END-EXEC.
* PF-KEY PARM
EXEC SQL INCLUDE ZO07L.CPY END-EXEC.
* MESSAGE PARM
EXEC SQL INCLUDE ZO08L.CPY END-EXEC.
* ON ERROR PARM
EXEC SQL INCLUDE ZO10L.CPY END-EXEC.
EXEC SQL INCLUDE AO22.CPY END-EXEC.
EXEC SQL INCLUDE SYSAREA.CPY END-EXEC.
EXEC SQL INCLUDE SQLCA END-EXEC.
COPY CONSTANTS.
*
```

```

V0690 DECIDE ON FIRST VALUE OF *PF-KEY
V0700 VALUE 'ENTR'
V0710 PERFORM P3200-M-INPCHK
V0720 NONE VALUE
V0730 PERFORM P3300-M-PFKCTL
V0740 END-DECIDE
V0750 IF #W-ENDFLG = '1'
V0760 ESCAPE BOTTOM
V0770 END-IF
V0780 PERFORM C100-M-MSG
V0790 END-REPEAT
V0800END-SUBROUTINE
V1220** (4.0) END PROC
V1240DEFINE SUBROUTINE P4000-M-END
V1250 MOVE *PROGRAM TO #G-EXEPM
V1260 IF #W-OUTPGM = ''
V1270 MOVE *PROGRAM TO #W-OUTPGM
V1280 END-IF
V1290 FETCH #W-OUTPGM
V1300END-SUBROUTINE
V1320** (C1.0) MSG SET PROC
V1340DEFINE SUBROUTINE C100-M-MSG
V1350 IF #W-MSGNBR NE ''
V1360 MOVE #W-MSGNBR TO #Z0080-MSGNBR
V1370 INCLUDE ZO08C
V1380 MOVE #Z0080-MSGCTT TO #W-MSGCTT
V1390 END-IF
V1400END-SUBROUTINE
V1410**-----< PROGRAM END >-----**
V1420END

```

```

LINKAGE SECTION.
COPY ONLCTLA.
COPY MAPIOA.
* GDA
EXEC SQL INCLUDE RGDA.CPY END-EXEC.
COPY WORKSAVEA.
COPY FETCHPRMA.
*
PROCEDURE DIVISION USING
ONLCTL-AREA
MAPIO-AREA
S-G-GDA1
WORKSAVE-AREA
FETCH-PARAMETER-AREA
*
MAIN-RTN SECTION.
MAIN-RTN-START.
PERFORM INIT-RTN
** (1.0) M A I N
* ON ERROR
COPY ZO10C.
* INIT PROC
PERFORM P2000-M-INIT
* MAIN PROC
PERFORM P3000-M-MAIN
* END PROC
PERFORM P4000-M-END
PERFORM FINAL-RTN
GOBACK.
MAIN-RTN-EXIT. EXIT.
** (2.0) INIT PROC
*
P2000-M-INIT SECTION.
P2000-M-INIT-START.
* SET KEY ALL
MOVE S-C-PFKGUD TO S-M-PFKGUD
INITIALIZE S-W-ENDFLG
S-W-OUTPGM
S-CV-PRCNBR-AD S-CV-PRCNBR-CD.
P2000-M-INIT-EXIT. EXIT.
** (3.0) MAIN PROC
*
P3000-M-MAIN SECTION.
P3000-M-MAIN-START.
PERFORM UNTIL FLG-LOOPEXIT-1-ON
PERFORM P3100-M-INPMAP
EVALUATE A-PF-KEY
WHEN 'ENTR'
PERFORM P3200-M-INPCHK
WHEN OTHER
PERFORM P3300-M-PFKCTL
END-EVALUATE
IF S-W-ENDFLG = '1'
THEN
EXIT PERFORM
END-IF
PERFORM C100-M-MSG
END-PERFORM.
P3000-M-MAIN-EXIT. EXIT.

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```
** (4.0) END PROC
```

```
*
```

```
P4000-M-END SECTION.
```

```
P4000-M-END-START.
```

```
MOVE A-PROGRAM TO S-G-EXEPGM
```

```
IF S-W-OUTPGM = ''
```

```
THEN
```

```
MOVE A-PROGRAM TO S-W-OUTPGM
```

```
END-IF
```

```
MOVE S-W-OUTPGM TO A-NEXT-PGM
```

```
PERFORM FINAL-RTN
```

```
GOBACK.
```

```
P4000-M-END-EXIT. EXIT.
```

```
** (C1.0) MSG SET PROC
```

```
*
```

```
C100-M-MSG SECTION.
```

```
C100-M-MSG-START.
```

```
IF S-W-MSGNBR NOT = ''
```

```
THEN
```

```
MOVE S-W-MSGNBR TO S-ZO080-MSGNBR
```

```
EXEC SQL INCLUDE ZO08C.CPY END-EXEC.
```

```
MOVE S-ZO080-MSGCTT TO S-W-MSGCTT
```

```
END-IF.
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```
C100-M-MSG-EXIT. EXIT.
```

```
**-----< PROGRAM END >-----**
```

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