



COBOL 言語コンバージョン・サービス (Java 版)

COBOL 言語を J a v a に変換します。

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

プログラム例

変換前 COBOL ソース (一部割愛)

```
000100 ID DIVISION.
000200 PROGRAM-ID. SAMPLE1.
000300* FILE INITIAL LORD.
000400* 85-01-02. CALTEC-SCUBE SAMPLE
000500 ENVIRONMENT DIVISION.
000600 CONFIGURATION SECTION.
000700 SOURCE-COMPUTER. IBM-4300.
000800 OBJECT-COMPUTER. IBM-4300.
000900 INPUT-OUTPUT SECTION.
001000 FILE-CONTROL.
001100  SELECT FILE1 ASSIGN TO FIL
001200  ORGANIZATION IS INDEXED
001300  ACCESS MODE IS DYNAMIC
001400  RECORD KEY IS RECKEY
001500  STATUS IS FS1.
001600 DATA DIVISION.
001700 FILE SECTION.
001800 FD FILE1 LABEL RECORD IS STANDARD.
001900 01 REC1.
001900 02 RECKEY PIC X(50).
001900 02 FILLER PIC X(200).
002000 WORKING-STORAGE SECTION.
002100 01 FS1 PIC X(2).
002200 PROCEDURE DIVISION.
002400 OPEN OUTPUT FILE1.
002500 MOVE LOW-VALUE TO REC1.
002600 WRITE REC1.
002800 DISPLAY 'SAMPLE1 FS = ' FS1.
003000 CLOSE FILE1.
003100 STOP RUN.
```

変換後 J a v a ソース (一部割愛)

```
/**
 * FILE INITIAL LORD.

 * 85-01-02. CALTEC-SCUBE SAMPLE

 */
public class SAMPLE1 extends COBOLBase {
//*****
//開始処理
//*****
public void execute() throws Exception{
    try {
        initRtn();
        mainRtn();
    } catch (Exception e) {
        errorRtn(e);
        throw e;
    } finally {
        try {
            finalRtn();
        } finally {
            dispose();
        }
    }
}
//*****
//* メイン処理*
//*****
private COBOLIndexedFile file1
    = new
COBOLIndexedFile("FIL",AccessMode.DYNAMIC,250 ,0,50);
private REC1 rec1 =new REC1();
private String fs1;

private void mainRtn() throws Exception {
    file1.openOutput();
    rec1.setValue(LOW_VALUE);
    file1.write(rec1);
    DISPLAY("SAMPLE1 FS = " + fs1);
}
```

```
file1.close();  
STOPRUN();  
}
```