# Cobol SQL Analizi

Source: http://www.tutorialspoint.com/cobol/cobol\_database\_interface.htm

Simple Cobol1 Java Version

000001 IDENTIFICATION DIVISION 00000100

000001 PROGRAM-ID HELLO 00000100

000001 AUTHOR. XXXXXXXXX. 00000100

000001 DATE-WRITTEN. 2008. 00000100

000001 00000100

000001 DATA DIVISION 00000100

000001 WORKING-STORAGE SECTION 00000100

000001 EXEC SQL 00000100

000001 INCLUDE SQLCA 00000100

000001 END-EXEC 00000100

000001 00000100

000001 EXEC SQL 00000100

000001 INCLUDE STUDENT 00000100

000001 END-EXEC. 00000100

000001 00000100

000001 EXEC SQL BEGIN DECLARE SECTION 00000100

000001 END-EXEC. 00000100

000001 01 WS-STUDENT-REC 00000100

000001 05 WS-STUDENT-ID PIC 9 00000100

000001 05 WS-STUDENT-NAME PIC 9 00000100

000001 05 WS-STUDENT-ADDRESS PIC 9 00000100

000001 EXEC SQL END DECLARE SECTION 00000100

000001 END-EXEC 00000100

000001 00000100

000001 PROCEDURE DIVISION 00000100

000001 EXEC SQL 00000100

000001 SELECT STUDENT-ID 00000100

000001 INTO :WS-STUDENT-ID 00000100

000001 FROM STUDENT 00000100

000001 END-EXEC 00000100

000001 00000100

000001 DISPLAY WS-STUDENT-RECORD 00000100

000001 STOP RUN 00000100

SimpleCobol With Screen

**Example #2A:**

This example displays the information on an input record on the screen. The input record has an identification number and a name. In the program the record would be read from the disk and be displayed for the user to view using the screen section.

DATA DIVISION.

FILE SECTION.

FD INPUT-FILE.

01 INPUT-REC.

05 ID-IN PIC XXXX.

05 NAME-IN PIC X(20).

WORKING-STORAGE SECTION.

01 RESPONSEZ.

05 RESPONSE-IN-WS PIC X VALUE "C".

SCREEN SECTION.

01 DATA-ENTRY-SCREEN.

05 VALUE "DATA ENTRY SCREEN" BLANK SCREEN LINE 1 COL 35.

05 VALUE "ID #" LINE 3 COL 10.

05 ID-INPUT LINE 3 COL 25

PIC X(4) FROM ID-IN.

05 VALUE "NAME" LINE 5 COL 10.

05 NAME-INPUT LINE 5 COL 25

PIC X(20) FROM NAME-IN.

05 VALUE "C - TO CONTINUE" LINE 11 COL 30.

05 VALUE "Q - TO QUIT" LINE 12 COL 30.

05 VALUE "ENTER RESPONSE" LINE 14 COL 30.

05 RESPONSE-INPUT LINE 14 COL 45

PIC X TO RESPONSE-IN-WS.

PROCEDURE DIVISION.

...

B-100-PROCESS.

READ INPUT-FILE

AT END

MOVE "YES" TO EOF-IND.

PERFORM B-200-LOOP

UNTIL EOF-IND = "YES" OR RESPONSE-IN-WS = "Q".

B-200-LOOP.

DISPLAY DATA-ENTRY-SCREEN.

ACCEPT DATA-ENTRY-SCREEN.

READ INPUT-FILE

AT END

MOVE "YES" TO EOF-IND.

Converted To Java Version Of Below Code