

# APPENDIX G - EXAMPLE OF COBOL CODE GENERATED BY ADABAS NATIVE SQL

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1
0 000001      IDENTIFICATION DIVISION.                                00000010
000002      PROGRAM-ID. CEX1.                                         00000020
000003      * WITH COBOL II SET THE NEXT LINE TO COMMENT
000004      *REMARKS.
000005      * AN EXAMPLE OF SOFT COUPLING WITH A SEARCH CRITERION WHICH *
000006      * CONTAINS FIELDS TAKEN FROM TWO FILES. THE FIELDS PERSONNEL-ID *
000007      * NAME, FIRST-NAME, BIRTH AND SEX (FROM THE MAIN FILE,      *
000008      * PERSONNEL-ID) ARE PRINTED FOR RECORDS THAT SATISFY THE    *
000009      * FOLLOWING CONDITION:
000010      *   PERSONNEL-ID BETWEEN 10000001 AND 19999999
000011      *   MODEL-YEAR-MAKE >
000012      ENVIRONMENT DIVISION.                                         00000030
000013      DATA DIVISION.                                               00000040
000014      WORKING-STORAGE SECTION.                                     00000050
000015      01 START-MODEL-YEAR-MAKE.                                   00000060
000016          02 START-MODEL          PIC X(20) VALUE 'MERCEDES-BENZ'. 00000070
000017          02 START-YEAR-MAKE       PIC 9(2)  VALUE 86.              00000080
000018      *
000019      01 HEADER.                                                    00000090
000020          02 FILLER          PIC X(12) VALUE 'PERSONNEL-ID'.        00000100
000021          02 FILLER          PIC X(8)  VALUE SPACE.                00000110 IMP
000022          02 FILLER          PIC X(4)  VALUE 'NAME'.                00000120
000023          02 FILLER          PIC X(13) VALUE SPACE.                 00000130 IMP
000024          02 FILLER          PIC X(10) VALUE 'FIRST NAME'.          00000140
000025          02 FILLER          PIC X(8)  VALUE SPACE.                00000150 IMP
000026          02 FILLER          PIC X(3)  VALUE 'SEX'.                00000160
000027      01 HEADER2          PIC X(64) VALUE ALL '*'.                00000170
000028      01 SPACE-LINE       PIC X(80) VALUE SPACE.                   00000180 IMP
000029      01 LINE1.                                                   00000190
000030          02 FILLER          PIC X(2)  VALUE SPACE.                00000200 IMP
000031          02 PERSONNEL-NR     PIC X(8)  VALUE SPACE.                00000210 IMP
000032          02 FILLER          PIC X(3)  VALUE SPACE.                00000220 IMP
000033          02 LAST-NAME        PIC X(20) VALUE SPACE.                00000230 IMP
000034          02 FILLER          PIC X(1)  VALUE SPACE.                00000240 IMP
000035          02 F-NAME           PIC X(20) VALUE SPACE.                00000250 IMP
000036          02 FILLER          PIC X(1)  VALUE SPACE.                00000260 IMP
000037          02 KIND             PIC X(1)  VALUE SPACE.                00000270 IMP
000038      *
000039      *
000040      *   EXEC ADABAS
000041      *   BEGIN DECLARE SECTION
000042      *   END-EXEC
000043      *
000044      01 ADACODE PIC 9(4) COMP VALUE 0.                                ADABAS
000045      01 CONTROL-BLOCKOPN.                                          ADABAS
000046          03 FILLER1OPN          PIC 9(4) COMP VALUE 0.            ADABAS
000047          03 FILLER1-CHAROPN     REDEFINES FILLER1OPN PIC XX.       ADABAS 46
000048          03 COMMAND-CODEOPN     PIC XX          VALUE SPACE.       ADABAS IMP
000049          03 COMMAND-IDOPN       PIC X(4)        VALUE 'OPEN'.     ADABAS
000050          03 FILE-NUMBEROPN       PIC 9(4) COMP VALUE 0.            ADABAS
000051          03 FILLER REDEFINES FILE-NUMBEROPN .                      ADABAS 50
000052              04 DBIDOPN PIC X.                                     ADABAS
000053              04 FILLER PIC X.                                     ADABAS
000054          03 RESPONSE-CODEOPN     PIC 9(4) COMP VALUE 0.            ADABAS
000055          03 ISNOPN               PIC 9(9) COMP VALUE 0.            ADABAS
000056          03 ISN-LOWER-LIMITOPN   PIC 9(9) COMP VALUE 0.            ADABAS
000057          03 ISN-QUANTITYOPN      PIC 9(9) COMP VALUE 0.            ADABAS
000058          03 FORMAT-BUFFER-LENGTHOPN PIC 9(4) COMP VALUE 0.         ADABAS
000059          03 FBL-CHAROPN REDEFINES FORMAT-BUFFER-LENGTHOPN PIC XX. ADABAS 58
000060          03 RECORD-BUFFER-LENGTHOPN PIC 9(4) COMP VALUE 0.         ADABAS
000061          03 RBL-CHAROPN REDEFINES RECORD-BUFFER-LENGTHOPN PIC XX. ADABAS 60

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000062      03 SEARCH-BUFFER-LENGTHOPN PIC 9(4) COMP VALUE 0. ADABAS
000063      03 VALUE-BUFFER-LENGTHOPN PIC 9(4) COMP VALUE 0. ADABAS
000064      03 ISN-BUFFER-LENGTHOPN PIC 9(4) COMP VALUE 4. ADABAS
000065      03 COMMAND-OPTION-1OPN PIC X VALUE SPACE. ADABAS IMP
000066      03 COMMAND-OPTION-2OPN PIC X VALUE SPACE. ADABAS IMP
000067      03 ADDITIONS-1OPN VALUE SPACE. ADABAS IMP
000068          04 ADDITIONS-1-12OPN PIC XX. ADABAS
000069          04 FILLER PIC XX. ADABAS
000070          04 ADDITIONS-1-58OPN PIC X(4). ADABAS
000071      03 FILLER REDEFINES ADDITIONS-1OPN . ADABAS 67
000072          04 ADDITIONS-1-BNOPN PIC 9(4) COMP. ADABAS
000073          04 FILLER PIC X(6). ADABAS
000074      03 ADDITIONS-2OPN PIC X(4) VALUE SPACE. ADABAS IMP
000075      03 ADDITIONS-3OPN PIC X(8) VALUE SPACE. ADABAS IMP
000076      03 ADDITIONS-4OPN . ADABAS
000077          04 ADDITIONS-4-12OPN PIC 9(4) COMP VALUE 0. ADABAS
000078          04 ADDITIONS-4-34OPN PIC 9(4) COMP VALUE 0. ADABAS
000079          04 ADDITIONS-4-56OPN PIC 9(4) COMP VALUE 0. ADABAS
000080          04 ADDITIONS-4-78OPN PIC 9(4) COMP VALUE 0. ADABAS
000081      03 ADDITIONS-5OPN . ADABAS
000082          04 ADDITIONS-5-BNOPN PIC 9(9) COMP VALUE 0. ADABAS
000083          04 ADDITIONS-5-58OPN PIC X(4) VALUE SPACE. ADABAS IMP
000084      03 FILLER REDEFINES ADDITIONS-5OPN . ADABAS 81
000085          04 ADDITIONS-5-1OPN PIC X. ADABAS
000086          04 ADDITIONS-5-28OPN PIC X(7). ADABAS
000087      03 COMMAND-TIMEOPN PIC 9(9) COMP. ADABAS
000088      03 USER-AREAOPN PIC X(4) VALUE ' '. ADABAS
000089      01 FORMAT-BUFOPN PIC X. ADABAS
000090      01 SEARCH-BUFOPN PIC X. ADABAS
000091      01 VALUE-BUFOPN PIC X. ADABAS
000092      01 ISN-BUFOPN PIC X. ADABAS
000093      01 OPENTYPE PIC X(00010). ADABAS
000094      01 RECORD-BUFOPN. ADABAS
000095          02 RECORD-BUFOPN-01 PIC X(00100). ADABAS
000096          02 RECORD-BUFOPN-02 PIC X(00100). ADABAS
000097          02 RECORD-BUFOPN-03 PIC X(00100). ADABAS
000098          02 RECORD-BUFOPN-04 PIC X(00100). ADABAS
000099          02 RECORD-BUFOPN-05 PIC X(00100). ADABAS
000100          02 RECORD-BUFOPN-06 PIC X(00100). ADABAS
000101          02 RECORD-BUFOPN-07 PIC X(00100). ADABAS
000102          02 RECORD-BUFOPN-08 PIC X(00100). ADABAS
000103          02 RECORD-BUFOPN-09 PIC X(00100). ADABAS
000104          02 RECORD-BUFOPN-10 PIC X(00100). ADABAS
000105          02 RECORD-BUFOPN-11 PIC X(00100). ADABAS
000106          02 RECORD-BUFOPN-12 PIC X(00100). ADABAS
000107          02 RECORD-BUFOPN-13 PIC X(00100). ADABAS
000108          02 RECORD-BUFOPN-14 PIC X(00100). ADABAS
000109          02 RECORD-BUFOPN-15 PIC X(00100). ADABAS
000110      01 DDFILE PIC 99999 VALUE 7. ADABAS
000111      01 DDBID PIC 99999 VALUE 11177. ADABAS
000112      01 CSEQ PIC X(8). ADABAS
000113      01 CLN1. ADABAS
000114          02 CLN1V PIC X(40) OCCURS 20. ADABAS

0 000115      01 CLN2. ADABAS
000116          02 CLN2V PIC X(40) OCCURS 20. ADABAS
000117      01 CLNNUM PIC 9(4) COMP. ADABAS
000118      01 TRCE PIC X(7). ADABAS
000119      01 SQLRSP PIC 9(4) COMP. ADABAS
000120      01 SQLQTY PIC 9(9) COMP. ADABAS
000121      01 SQLISN PIC 9(9) COMP. ADABAS
000122      01 ADA-FULL-INTOPN PIC 9(9) COMP VALUE 12288. ADABAS
000123      01 FILLER REDEFINES ADA-FULL-INTOPN. ADABAS 122
000124          02 FILLER PIC XX. ADABAS
000125          02 ADA-HALF-INTOPN PIC XX. ADABAS
000126      01 SAVE-DBID-1OPN PIC 9(9) COMP VALUE 0. ADABAS
000127      01 SAVE-DBID-DEFOPN REDEFINES SAVE-DBID-1OPN . ADABAS 126
000128          02 FILLER PIC X(2). ADABAS
000129          02 SAVE-DBIDOPN PIC 9(4) COMP. ADABAS
000130      01 FORMAT-BUFEMPL. ADABAS
000131          02 FILLER PIC X(30) VALUE ADABAS
000132          'AA,8,A,AE,20,A,AC,20,A,AG,1,A.'. ADABAS
000133      01 SEARCH-BUFEMPL. ADABAS
000134          02 FILLER PIC X(46) VALUE ADABAS

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000135          ' (1,AA,2,AC) /1/AA,8,A,S,AA,8,A,D, /2/AO,24,A,GT. ' .          ADABAS
000136 01 EMPLOYEES.                  ADADATA
000137      02 RECORD-BUFEMPL.        ADADATA
000138          03 PERSONNEL-ID          PIC X(00008).          ADADATA
000139          03 NAME                   PIC X(00020).          ADADATA
000140          03 FIRST-NAME             PIC X(00020).          ADADATA
000141          03 SEX                    PIC X(00001).          ADADATA
000142      02 ISN                      PIC 9(9) COMP VALUE 0.    ADADATA
000143      02 QUANTITY                  PIC 9(9) COMP VALUE 0.    ADADATA
000144      02 RESPONSE-CODE             PIC 9(4) COMP VALUE 0.    ADADATA
000145 01 VALUE-BUFEMPL.              ADABAS
000146      02 V-PERSONNEL-ID-F          PIC X(00008)          ADABAS
000147          VALUE LOW-VALUE.         ADABAS      IMP
000148      02 V-PERSONNEL-ID-T          PIC X(00008)          ADABAS
000149          VALUE LOW-VALUE.         ADABAS      IMP
000150      02 V-MODEL-YEAR-MAKE.        ADABAS
000151          03 S-YEAR                 PIC 9(0004)          ADABAS
000152          VALUE 0.                 ADABAS
000153          03 S-MAKE                 PIC X(00020)          ADABAS
000154          VALUE LOW-VALUE.         ADABAS      IMP
000155 01 ISN-BUFEMPL.                ADABAS
000156      03 ISN-BUFVECEMPL OCCURS    1 PIC 9(9) COMP.        ADABAS
000157 01 CONTROL-BLOCKEMPL.          ADABAS
000158          03 FILLER1EMPL           PIC 9(4) COMP VALUE 0.    ADABAS
000159          03 FILLER1-CHAREMPL REDEFINES FILLER1EMPL PIC XX. ADABAS      158
000160          03 COMMAND-CODEEMPL      PIC XX          VALUE SPACE. ADABAS      IMP
000161          03 COMMAND-IDEMPL        PIC X(4)          VALUE 'EMPL'. ADABAS
000162          03 FILE-NUMBEREMPL        PIC 9(4) COMP VALUE 1.    ADABAS
000163          03 FILLER REDEFINES FILE-NUMBEREMPL. ADABAS      162
000164              04 DBIDEMPL PIC X. ADABAS
000165              04 FILLER PIC X. ADABAS
000166          03 RESPONSE-CODEEMPL      PIC 9(4) COMP VALUE 0.    ADABAS
000167          03 ISNEMPL               PIC 9(9) COMP VALUE 0.    ADABAS
000168          03 ISN-LOWER-LIMITEMPL    PIC 9(9) COMP VALUE 0.    ADABAS
000169          03 ISN-QUANTITYEMPL       PIC 9(9) COMP VALUE 0.    ADABAS
000170          03 FORMAT-BUFFER-LENGTHEMPL PIC 9(4) COMP VALUE 30. ADABAS
000171          03 FBL-CHAREMPL REDEFINES FORMAT-BUFFER-LENGTHEMPL PIC XX. ADABAS      170
0 000172          03 RECORD-BUFFER-LENGTHEMPL PIC 9(4) COMP VALUE 49. ADABAS
000173          03 RBL-CHAREMPL REDEFINES RECORD-BUFFER-LENGTHEMPL PIC XX. ADABAS      172
000174          03 SEARCH-BUFFER-LENGTHEMPL PIC 9(4) COMP VALUE 46. ADABAS
000175          03 VALUE-BUFFER-LENGTHEMPL PIC 9(4) COMP VALUE 40. ADABAS
000176          03 ISN-BUFFER-LENGTHEMPL PIC 9(4) COMP VALUE 4.    ADABAS
000177          03 COMMAND-OPTION-1EMPL  PIC X          VALUE SPACE. ADABAS      IMP
000178          03 COMMAND-OPTION-2EMPL  PIC X          VALUE SPACE. ADABAS      IMP
000179          03 ADDITIONS-1EMPL        VALUE SPACE. ADABAS      IMP
000180              04 ADDITIONS-1-12EMPL PIC XX. ADABAS
000181              04 FILLER PIC XX. ADABAS
000182              04 ADDITIONS-1-58EMPL PIC X(4). ADABAS
000183          03 FILLER REDEFINES ADDITIONS-1EMPL. ADABAS      179
000184              04 ADDITIONS-1-BNEMPL PIC 9(4) COMP. ADABAS
000185              04 FILLER PIC X(6). ADABAS
000186          03 ADDITIONS-2EMPL        PIC X(4)          VALUE SPACE. ADABAS      IMP
000187          03 ADDITIONS-3EMPL        PIC X(8)          VALUE SPACE. ADABAS      IMP
000188          03 ADDITIONS-4EMPL        PIC X(8)          VALUE SPACE. ADABAS      IMP
000189          03 ADDITIONS-5EMPL        . ADABAS
000190              04 ADDITIONS-5-BNEMPL PIC 9(9) COMP VALUE 0.    ADABAS
000191              04 ADDITIONS-5-58EMPL PIC X(4) VALUE SPACE. ADABAS      IMP
000192          03 FILLER REDEFINES ADDITIONS-5EMPL. ADABAS      189
000193              04 ADDITIONS-5-1EMPL PIC X. ADABAS
000194              04 ADDITIONS-5-28EMPL PIC X(7). ADABAS
000195          03 COMMAND-TIMEEMPL       PIC 9(9) COMP. ADABAS
000196          03 USER-AREAEMPL         PIC X(4)          VALUE ' '. ADABAS
000197 01 ISNSIZEEMPL PIC 9(9) COMP.    ADABAS
000198 01 ISNMOREEMPL PIC 9(9) COMP.    ADABAS
000199 01 ISNINDEEMPL PIC 9(4) COMP.    ADABAS
000200 01 EOF-COBEMPL PIC 9 VALUE 0.    ADABAS
000201      88 EOFEMPL VALUE 1. ADABAS
000202      88 NOT-EOFEMPL VALUE 0. ADABAS
000203 01 SAVE-DBID-1EMPL              PIC 9(9) COMP VALUE 0.    ADABAS
000204 01 SAVE-DBID-DEFEMPL REDEFINES SAVE-DBID-1EMPL. ADABAS      203
000205      02 FILLER PIC X(2). ADABAS
000206      02 SAVE-DBIDEMPL PIC 9(4) COMP. ADABAS
000207 *
000208 *

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000209          *          EXEC ADABAS
000210          *          DECLARE EMPL CURSOR FOR
000211          *          SELECT PERSONNEL-ID, NAME, FIRST-NAME, SEX
000212          *          FROM EMPLOYEES, VEHICLES
000213          *          WHERE EMPLOYEES.PERSONNEL-ID = VEHICLES.PERSONNEL-ID
000214          *          AND PERSONNEL-ID BETWEEN '1000001' AND '1999999'
000215          *          AND VEHICLES.MODEL-YEAR-MAKE > :START-MODEL-YEAR-MAKE
000216          *          END-EXEC

000217          *
000218          *
000219          *          PROCEDURE DIVISION.
000220          *
000221          *
000222          *          EXEC ADABAS
000223          *          TRACE ON
000224          *          END-EXEC
000225          *
000226          *          DISPLAY HEADER.
000227          *          DISPLAY HEADER2.
000228          *          DISPLAY SPACE-LINE.
000229          *
000230          *
000231          *          EXEC ADABAS
000232          *          OPEN EMPL
000233          *          END-EXEC
000234          *
000235          *          MOVE '1000001' TO V-PERSONNEL-ID-F OF VALUE-BUFEMPL
000236          *          MOVE '1999999' TO V-PERSONNEL-ID-T OF VALUE-BUFEMPL
000237          *          MOVE START-MODEL-YEAR-MAKE TO V-MODEL-YEAR-MAKE OF
000238          *          VALUE-BUFEMPL
000239          *          MOVE ADA-HALF-INTOPN TO FILLER1-CHAREMPL
000240          *          COMPUTE ISNSIZEEMPL = ISN-BUFFER-LENGTHEMPL / 4
000241          *          MOVE 1 TO ISNINDEEMPL
000242          *          MOVE 0 TO ISN-LOWER-LIMITEMPL
000243          *          MOVE 0
000244          *          MOVE ' ' TO COMMAND-OPTION-2EMPL
000245          *          MOVE ' ' TO COMMAND-OPTION-1EMPL
000246          *          MOVE 0 TO ISN-BUFFER-LENGTHEMPL
000247          *          MOVE SAVE-DBIDEMPL TO RESPONSE-CODEEMPL
000248          *          MOVE 'S1' TO COMMAND-CODEEMPL
000249          *          CALL 'ADABAS' USING
000250          *          CONTROL-BLOCKEMPL FORMAT-BUFEMPL RECORD-BUFEMPL
000251          *          SEARCH-BUFEMPL VALUE-BUFEMPL
000252          *          ISN-BUFEMPL
000253          *          MOVE ISNEMPL TO ISN OF
000254          *          EMPLOYEES
000255          *          MOVE RESPONSE-CODEEMPL TO RESPONSE-CODE OF
000256          *          EMPLOYEES
000257          *          MOVE ISN-QUANTITYEMPL TO QUANTITY OF
000258          *          EMPLOYEES
000259          *          MOVE 0 TO ISNINDEEMPL
000260          *          IF RESPONSE-CODEEMPL NOT = 0
000261          *          MOVE ' ' TO CSEQ
000262          *          MOVE ' EXEC ADABAS ' TO CLN1V (01)
000263          *          MOVE ' ' TO CLN2V (01)
000264          *          MOVE ' OPEN EMPL ' TO CLN1V (02)
000265          *          MOVE ' ' TO CLN2V (02)
000266          *          MOVE ' END-EXEC ' TO CLN1V (03)
000267          *          MOVE ' ' TO CLN2V (03)
000268          *          MOVE 03 TO CLNNUM
000269          *          CALL 'RESPINT'
000270          *          USING CONTROL-BLOCKEMPL DDFILE CSEQ FORMAT-BUFEMPL
000271          *          RECORD-BUFEMPL SEARCH-BUFEMPL VALUE-BUFEMPL
000272          *          CLN1 CLN2 TRCE CLNNUM DDBID.
000273          *          MOVE ISN-QUANTITYEMPL TO ISNMOREEMPL
000274          *          IF ISNMOREEMPL > 0 MOVE 0 TO EOF-COBEMPL
000275          *          ELSE MOVE 1 TO EOF-COBEMPL.
000276          *          IF ISNMOREEMPL < ISNSIZEEMPL
000277          *          MOVE ISNMOREEMPL TO ISNSIZEEMPL.
000278          *
000279          *
000280          *          EXEC ADABAS
000281          *          FETCH EMPL
000282          *          END-EXEC
000283          *
000284          *          MOVE ADA-HALF-INTOPN TO FILLER1-CHAREMPL
000285          *          IF ISNINDEEMPL = ISNMOREEMPL MOVE 1 TO EOF-COBEMPL.
000286          *          IF NOT-EOFEMPL
000287          *          MOVE 0 TO EOF-COBEMPL
000288          *          MOVE 'N' TO COMMAND-OPTION-2EMPL
000289          *          MOVE ' ' TO COMMAND-OPTION-1EMPL
000290          *          MOVE SAVE-DBIDEMPL TO RESPONSE-CODEEMPL
000291          *          MOVE 'L1' TO COMMAND-CODEEMPL

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000292      1      CALL 'ADABAS' USING ADABAS EXT
000293      1      CONTROL-BLOCKEMPL FORMAT-BUFEMPL RECORD-BUFEMPL ADABAS 157 130 137
000294      1      SEARCH-BUFEMPL VALUE-BUFEMPL ADABAS 133 145
000295      1      ISN-BUFEMPL ADABAS 155
000296      1      MOVE ISNEMPL TO ISN OF ADABAS 167 142
000297      1      EMPLOYEES ADABAS 136
000298      1      MOVE RESPONSE-CODEEMPL TO RESPONSE-CODE OF ADABAS 166 144
000299      1      EMPLOYEES ADABAS 136
000300      1      IF RESPONSE-CODEEMPL = 3 ADABAS 166
000301      2      MOVE 1 TO EOF-COBEMPL ADABAS 200
000302      2      ELSE IF RESPONSE-CODEEMPL NOT = 0 ADABAS 166
000303      3      MOVE ' ' TO CSEQ ADABAS 112
000304      3      MOVE ' EXEC ADABAS ' TO CLN1V (01) ADABAS 114
000305      3      MOVE ' ' TO CLN2V (01) ADABAS 116
000306      3      MOVE ' FETCH EMPL ' TO CLN1V (02) ADABAS 114
000307      3      MOVE ' ' TO CLN2V (02) ADABAS 116
000308      3      MOVE ' END-EXEC ' TO CLN1V (03) ADABAS 114
000309      3      MOVE ' ' TO CLN2V (03) ADABAS 116
000310      3      MOVE 03 TO CLNNUM ADABAS 117
000311      3      CALL 'RESPINT' ADABAS EXT
000312      3      USING CONTROL-BLOCKEMPL DDFILE CSEQ FORMAT-BUFEMPL ADABAS 157 110 112 130
000313      3      RECORD-BUFEMPL SEARCH-BUFEMPL VALUE-BUFEMPL ADABAS 137 133 145
000314      3      CLN1 CLN2 TRCE CLNNUM DDBID. ADABAS 113 115 118 117 111
000315      IF EOFEMPL MOVE 003 TO ADACODE ADABAS 201 44
000316      1      ELSE MOVE 0 TO ADACODE. ADABAS 44

000317      *
000318      * PERFORM READ-EMPLOYEES UNTIL ADACODE = 3. 00000330 383 44
000319      *
000320      *
000321      * EXEC ADABAS
000322      * CLOSE EMPL
000323      * END-EXEC
000324      *
000325      MOVE ADA-HALF-INTOPN TO FILLER1-CHAREMPL ADABAS 125 159
000326      MOVE 'I' TO COMMAND-OPTION-1EMPL ADABAS 177
000327      MOVE 'S' TO COMMAND-OPTION-2EMPL ADABAS 178
000328      MOVE SAVE-DBIDEMPL TO RESPONSE-CODEEMPL ADABAS 206 166
000329      MOVE 'RC' TO COMMAND-CODEEMPL ADABAS 160
000330      CALL 'ADABAS' USING ADABAS EXT
000331      CONTROL-BLOCKEMPL FORMAT-BUFEMPL RECORD-BUFEMPL ADABAS 157 130 137
000332      SEARCH-BUFEMPL VALUE-BUFEMPL ADABAS 133 145
000333      ISN-BUFEMPL ADABAS 155
000334      MOVE ISNEMPL TO ISN OF ADABAS 167 142
000335      EMPLOYEES ADABAS 136
000336      MOVE RESPONSE-CODEEMPL TO RESPONSE-CODE OF ADABAS 166 144
000337      EMPLOYEES ADABAS 136
000338      IF RESPONSE-CODEEMPL NOT = 0 ADABAS 166
000339      1      MOVE ' ' TO CSEQ ADABAS 112
000340      1      MOVE ' EXEC ADABAS ' TO CLN1V (01) ADABAS 114
000341      1      MOVE ' ' TO CLN2V (01) ADABAS 116
000342      1      MOVE ' CLOSE EMPL ' TO CLN1V (02) ADABAS 114
000343      1      MOVE ' ' TO CLN2V (02) ADABAS 116
000344      1      MOVE ' END-EXEC ' TO CLN1V (03) ADABAS 114
000345      1      MOVE ' ' TO CLN2V (03) ADABAS 116
000346      1      MOVE 03 TO CLNNUM ADABAS 117
000347      1      CALL 'RESPINT' ADABAS EXT
000348      1      USING CONTROL-BLOCKEMPL DDFILE CSEQ FORMAT-BUFEMPL ADABAS 157 110 112 130
000349      1      RECORD-BUFEMPL SEARCH-BUFEMPL VALUE-BUFEMPL ADABAS 137 133 145
000350      1      CLN1 CLN2 TRCE CLNNUM DDBID. ADABAS 113 115 118 117 111
000351      *
000352      *
000353      * EXEC ADABAS
000354      * DBCLOSE
000355      * END-EXEC
000356      *
000357      MOVE ADA-HALF-INTOPN TO FILLER1-CHAROPN ADABAS 125 47
000358      MOVE 1500 TO RECORD-BUFFER-LENGTHOPN ADABAS 60
000359      MOVE ' ' TO COMMAND-OPTION-2OPN ADABAS 66
000360      MOVE ' ' TO COMMAND-OPTION-1OPN ADABAS 65
000361      MOVE SAVE-DBIDOPN TO RESPONSE-CODEOPN ADABAS 129 54
000362      MOVE 'CL' TO COMMAND-CODEOPN ADABAS 48
000363      CALL 'ADABAS' USING ADABAS EXT
000364      CONTROL-BLOCKOPN FORMAT-BUFOPN RECORD-BUFOPN ADABAS 45 89 94
000365      SEARCH-BUFOPN VALUE-BUFOPN ADABAS 90 91
000366      ISN-BUFOPN ADABAS 92
000367      IF RESPONSE-CODEOPN NOT = 0 ADABAS 54
000368      1      MOVE ' ' TO CSEQ ADABAS 112
000369      1      MOVE ' EXEC ADABAS ' TO CLN1V (01) ADABAS 114
000370      1      MOVE ' ' TO CLN2V (01) ADABAS 116
000371      1      MOVE ' DBCLOSE ' TO CLN1V (02) ADABAS 114
000372      1      MOVE ' ' TO CLN2V (02) ADABAS 116
000373      1      MOVE ' END-EXEC ' TO CLN1V (03) ADABAS 114
000374      1      MOVE ' ' TO CLN2V (03) ADABAS 116
000375      1      MOVE 03 TO CLNNUM ADABAS 117

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000376	1	CALL 'RESPINT'	ADABAS	EXT	
000377	1	USING CONTROL-BLOCKOPN DDFILE CSEQ FORMAT-BUFOPN	ADABAS	45 110 112 89	
000378	1	RECORD-BUFOPN SEARCH-BUFOPN VALUE-BUFOPN	ADABAS	94 90 91	
000379	1	CLN1 CLN2 TRCE CLNNUM DDBID.	ADABAS	113 115 118 117 111	
000380		*			
000381		STOP RUN.	00000340		
000382		*			
000383		READ-EMPLOYEES.	00000350		
000384		MOVE PERSONNEL-ID TO PERSONNEL-NR.	00000360	138 31	
000385		MOVE NAME TO LAST-NAME.	00000370	139 33	
000386		MOVE FIRST-NAME TO F-NAME.	00000380	140 35	
000387		MOVE SEX TO KIND.	00000390	141 37	
000388		DISPLAY LINE1.	00000400	29	
000389		MOVE SPACE TO LINE1.	00000410	IMP 29	
000390		*			
000391		*	00000420		
000392		EXEC ADABAS	00000430		
000393		FETCH EMPL	00000440		
000394		END-EXEC	00000450		
000395		*	00000460		
000396		MOVE ADA-HALF-INTOPN TO FILLER1-CHAREMPL	ADABAS	125 159	
000397		IF ISNINDEMP = ISNMOREEMPL MOVE 1 TO EOF-COBEMPL.	ADABAS	199 198 200	
000398		IF NOT-EOFEMPL	ADABAS	202	
000399	1	MOVE 0 TO EOF-COBEMPL	ADABAS	200	
000400	1	MOVE 'N' TO COMMAND-OPTION-2EMPL	ADABAS	178	
000401	1	MOVE ' ' TO COMMAND-OPTION-1EMPL	ADABAS	177	
000402	1	MOVE SAVE-DBIDEMPL TO RESPONSE-CODEEMPL	ADABAS	206 166	
000403	1	MOVE 'L1' TO COMMAND-CODEEMPL	ADABAS	160	
000404	1	CALL 'ADABAS' USING	ADABAS	EXT	
000405	1	CONTROL-BLOCKEMPL FORMAT-BUFEMPL RECORD-BUFEMPL	ADABAS	157 130 137	
000406	1	SEARCH-BUFEMPL VALUE-BUFEMPL	ADABAS	133 145	
000407	1	ISN-BUFEMPL	ADABAS	155	
000408	1	MOVE ISNEMPL TO ISN OF	ADABAS	167 142	
000409	1	EMPLOYEES	ADABAS	136	
000410	1	MOVE RESPONSE-CODEEMPL TO RESPONSE-CODE OF	ADABAS	166 144	
000411	1	EMPLOYEES	ADABAS	136	
000412	1	IF RESPONSE-CODEEMPL = 3	ADABAS	166	
000413	2	MOVE 1 TO EOF-COBEMPL	ADABAS	200	
000414	2	ELSE IF RESPONSE-CODEEMPL NOT = 0	ADABAS	166	
000415	3	MOVE ' ' TO CSEQ	ADABAS	112	
000416	3	EXEC ADABAS	' TO CLN1V (01) ADABAS	114	
000417	3		' TO CLN2V (01) ADABAS	116	
000418	3	FETCH EMPL	' TO CLN1V (02) ADABAS	114	
000419	3		' TO CLN2V (02) ADABAS	116	
000420	3	END-EXEC	' TO CLN1V (03) ADABAS	114	
000421	3		' TO CLN2V (03) ADABAS	116	
000422	3	MOVE 03 TO CLNNUM	ADABAS	117	
000423	3	CALL 'RESPINT'	ADABAS	EXT	
000424	3	USING CONTROL-BLOCKEMPL DDFILE CSEQ FORMAT-BUFEMPL	ADABAS	157 110 112 130	
000425	3	RECORD-BUFEMPL SEARCH-BUFEMPL VALUE-BUFEMPL	ADABAS	137 133 145	
000426	3	CLN1 CLN2 TRCE CLNNUM DDBID.	ADABAS	113 115 118 117 111	
000427		IF EOFEMPL MOVE 003 TO ADACODE	ADABAS	201 44	
000428	1	ELSE MOVE 0 TO ADACODE.	ADABAS	44	