

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	DDDBID	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
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-COBEEMPL          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 '10000001' AND '19999999'
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 '10000001' TO V-PERSONNEL-ID-F OF VALUE-BUFEMPL
000236          *          MOVE '19999999' 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 TO ISN-QUANTITYEMPL
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) ADABAS
000263          *          MOVE ' ' ' TO CLN2V (01) ADABAS
000264          *          MOVE ' ' OPEN EMPL ' TO CLN1V (02) ADABAS
000265          *          MOVE ' ' ' TO CLN2V (02) ADABAS
000266          *          MOVE ' ' END-EXEC ' TO CLN1V (03) ADABAS
000267          *          MOVE ' ' ' TO CLN2V (03) ADABAS
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-COEMPL 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-LENGTOPN 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	MOVE ' EXEC ADABAS ' TO CLN1V (01)	ADABAS	114
000417	3	MOVE ' ' TO CLN2V (01)	ADABAS	116
000418	3	MOVE ' FETCH EMPL ' TO CLN1V (02)	ADABAS	114
000419	3	MOVE ' ' TO CLN2V (02)	ADABAS	116
000420	3	MOVE ' END-EXEC ' TO CLN1V (03)	ADABAS	114
000421	3	MOVE ' ' 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