

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 FILLER10PN          PIC 9(4) COMP VALUE 0.              ADABAS
000047          03 FILLER1-CHAROPN REDEFINES FILLER10PN 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-10PN	PIC X	VALUE SPACE.	ADABAS	IMP
000066	03 COMMAND-OPTION-20PN	PIC X	VALUE SPACE.	ADABAS	IMP
000067	03 ADDITIONS-10PN		VALUE SPACE.	ADABAS	IMP
000068	04 ADDITIONS-1-120PN	PIC XX.		ADABAS	
000069	04 FILLER	PIC XX.		ADABAS	
000070	04 ADDITIONS-1-580PN	PIC X(4).		ADABAS	
000071	03 FILLER REDEFINES ADDITIONS-10PN			ADABAS	67
000072	04 ADDITIONS-1-BNOPN	PIC 9(4) COMP.		ADABAS	
000073	04 FILLER	PIC X(6).		ADABAS	
000074	03 ADDITIONS-20PN	PIC X(4)	VALUE SPACE.	ADABAS	IMP
000075	03 ADDITIONS-30PN	PIC X(8)	VALUE SPACE.	ADABAS	IMP
000076	03 ADDITIONS-40PN			ADABAS	
000077	04 ADDITIONS-4-120PN	PIC 9(4) COMP	VALUE 0.	ADABAS	
000078	04 ADDITIONS-4-340PN	PIC 9(4) COMP	VALUE 0.	ADABAS	
000079	04 ADDITIONS-4-560PN	PIC 9(4) COMP	VALUE 0.	ADABAS	
000080	04 ADDITIONS-4-780PN	PIC 9(4) COMP	VALUE 0.	ADABAS	
000081	03 ADDITIONS-50PN			ADABAS	
000082	04 ADDITIONS-5-BNOPN	PIC 9(9) COMP	VALUE 0.	ADABAS	
000083	04 ADDITIONS-5-580PN	PIC X(4)	VALUE SPACE.	ADABAS	IMP
000084	03 FILLER REDEFINES ADDITIONS-50PN			ADABAS	81
000085	04 ADDITIONS-5-10PN	PIC X.		ADABAS	
000086	04 ADDITIONS-5-280PN	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 DDDBDID	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-10PN	PIC 9(9) COMP	VALUE 0.	ADABAS	
000127	01 SAVE-DBID-DEFOPN	REDEFINES	SAVE-DBID-10PN .	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 / A0, 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-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 '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
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
000263      MOVE ' '
000264      MOVE ' ' OPEN EMPL
000265      MOVE ' '
000266      MOVE ' ' END-EXEC
000267      MOVE ' '
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

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 DDDBD.	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		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 DDDBD.	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