

# APPENDIX - EXAMPLE OF PL/I CODE GENERATED BY ADABAS NATIVE SQL

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PEX1 : PROC OPTIONS(MAIN);                                00000010
/* AN EXAMPLE OF SOFT COUPLING WITH A SEARCH CRITERION WHICH 00000020
CONTAINS FIELDS TAKEN FROM TWO FILES. THE FIELDS PERSONNEL-ID 00000030
NAME, FIRST-NAME, BIRTH AND SEX (FROM THE MAIN FILE,          00000040
PERSONNEL-ID) ARE PRINTED FOR RECORDS THAT SATISFY THE        00000050
FOLLOWING CONDITION:                                          00000060
    PERSONNEL-ID BETWEEN 10000001 AND 19999999                00000070
    MODEL-YEAR-MAKE >                                         00000080
    CLASS = 'C'                                                */00000090
/*                                                            */00000100
DCL 1 START_STRUC,                                           00000110
    2 START_MODEL          CHAR(20)    INIT('MERCEDES-BENZ'),  00000120
    2 START_YEAR_MAKE     PIC '(2)9'   INIT(86);              00000130
DCL  START_MODEL_YEAR_MAKE CHAR(22)    BASED(ADDR(START_STRUC));00000140
/*                                                            */00000150
DCL 1 HEADER,                                                00000160
    2 FILLER1              CHAR(12)    INIT('PERSONNEL-ID'),  00000170
    2 FILLER2              CHAR(8)      INIT(' '),            00000180
    2 FILLER3              CHAR(4)      INIT('NAME'),         00000190
    2 FILLER4              CHAR(13)     INIT(' '),            00000200
    2 FILLER5              CHAR(10)     INIT('FIRST-NAME'),   00000210
    2 FILLER6              CHAR(8)      INIT(' '),            00000220
    2 FILLER7              CHAR(5)      INIT('BIRTH'),        00000230
    2 FILLER8              CHAR(1)      INIT(' '),            00000240
    2 FILLER9              CHAR(3)      INIT('SEX');          00000250
DCL 1 HEADER2            CHAR(64)      INIT((64)'*');         00000260
DCL 1 LINE1,                                                    00000270
    2 FILLER1              CHAR(2)      INIT(' '),            00000280
    2 PERSONNEL_NR        CHAR(8)      INIT(' '),            00000290
    2 FILLER2              CHAR(3)      INIT(' '),            00000300
    2 LAST_NAME           CHAR(20)     INIT(' '),            00000310
    2 FILLER3              CHAR(1)      INIT(' '),            00000320
    2 F_NAME              CHAR(20)     INIT(' '),            00000330
    2 FILLER4              CHAR(1)      INIT(' '),            00000340
    2 BIRTHDAY            CHAR(6)      INIT(' '),            00000350
    2 FILLER5              CHAR(1)      INIT(' '),            00000360
    2 KIND                CHAR(1)      INIT(' ');            00000370
/*                                                            */00000380
-/*                                                            ** 00000390
    EXEC ADABAS                                               00000400
    BEGIN DECLARE SECTION                                     00000410
    END-EXEC                                                  00000420
**                                                            */ 00000430
DCL ADACODE FIXED BIN(15) INIT (0);                          ADABAS
DCL ADABAS    ENTRY OPTIONS(ASM,INTER);                      ADABAS
DCL RESPINT   ENTRY OPTIONS(ASM,INTER);                      ADABAS
DCL 1 CONTROL_BLOCKOPN UNAL,                                  ADABAS
    3 FILLER1OPN          CHAR(2)      INIT ('AS')           , ADABAS
    3 COMMAND_CODEOPN     CHAR(2)      ,                     , ADABAS
    3 COMMAND_IDOPN       CHAR(4)      INIT ('OPEN')         , ADABAS
    3 FILE_NUMBEROPN      FIXED BIN(15) INIT ( 0)            , ADABAS
    3 RESPONSE_CODEOPN    FIXED BIN(15) INIT (0)             , ADABAS
    3 ISNOPN              FIXED BIN(31) INIT (0)             , ADABAS
    3 ISN_LOWER_LIMITOPN  FIXED BIN(31) INIT (0)             , ADABAS
    3 ISN_QUANTITYOPN     FIXED BIN(31)                      , ADABAS
    3 FORMAT_BUFFER_LENGTHOPN FIXED BIN(15) INIT ( 0)        , ADABAS

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3 RECORD_BUFFER_LENGTHOPN  FIXED BIN(15) INIT (    0) ,      ADABAS
3 SEARCH_BUFFER_LENGTHOPN  FIXED BIN(15) INIT (    0) ,      ADABAS
3 VALUE_BUFFER_LENGTHOPN   FIXED BIN(15) INIT (    0) ,      ADABAS
3 ISN_BUFFER_LENGTHOPN     FIXED BIN(15) INIT (    4) ,      ADABAS
3 COMMAND_OPTION_1OPN      CHAR(1)      INIT (' ') ,      ADABAS
3 COMMAND_OPTION_2OPN      CHAR(1)      INIT (' ') ,      ADABAS
3 ADDITIONS_1OPN           CHAR(8)      INIT (' ') ,      ADABAS
3 ADDITIONS_2OPN           CHAR(4)      INIT (' ') ,      ADABAS
3 ADDITIONS_3OPN           CHAR(8)      INIT (' ') ,      ADABAS
3 ADDITIONS_4OPN           CHAR(8)      INIT (' ') ,      ADABAS
3 ADDITIONS_5OPN           ,           ,           ,      ADABAS
4 ADDITIONS_5_BNOPN        FIXED BIN(31) INIT (0) ,      ADABAS
4 ADDITIONS_5_58OPN        CHAR(4)      ,           ,      ADABAS
3 COMMAND_TIMEOPN          FIXED BIN(31) ,           ,      ADABAS
3 USER_AREAOPN             CHAR(4)      INIT ('AS') ;      ADABAS
DCL CONTROL_BLOCK_1OPN    CHAR(80)
      BASED(ADDR(CONTROL_BLOCKOPN ));      ADABAS
DCL ADDITIONS_1_12OPN     CHAR(2) DEF ADDITIONS_1OPN ;      ADABAS
DCL ADDITIONS_1_BNOPN     FIXED BIN(15) UNAL      ADABAS
      BASED (ADDR(ADDITIONS_1OPN ));      ADABAS
DCL ADDITIONS_1_58OPN     CHAR(4) DEF ADDITIONS_1OPN POS(5); ADABAS
DCL 1 ADDITIONS_5_DEFOPN   BASED (ADDR(ADDITIONS_5OPN)), ADABAS
      2 ADDITIONS_5_1OPN   CHAR(1),      ADABAS
      2 ADDITIONS_5_28OPN  CHAR(7);      ADABAS
DCL 1 ADDITIONS_4_DEFOPN   BASED (ADDR(ADDITIONS_4OPN)), ADABAS
      2 ADDITIONS_4_12OPN  FIXED BIN(15), ADABAS
      2 ADDITIONS_4_34OPN  FIXED BIN(15), ADABAS
      2 ADDITIONS_4_56OPN  FIXED BIN(15), ADABAS
      2 ADDITIONS_4_78OPN  FIXED BIN(15); ADABAS
DCL DBIDOPN              CHAR(1) BASED (ADDR(FILE_NUMBEROPN )); ADABAS
DCL  FORMAT_BUFOPN        CHAR (0001)           ; ADABAS
DCL  SEARCH_BUFOPN        CHAR (0001)           ; ADABAS
DCL  VALUE_BUFOPN         CHAR (0001)           ; ADABAS
DCL  ISN_BUFOPN           CHAR (0001)           ; ADABAS
DCL  RECORD_BUFOPN        CHAR (1500)           ; ADABAS
DCL  OPENTYPE              CHAR (0010)           ; ADABAS
DCL  DDFILE                PIC'999'            INIT (    30) ; ADABAS
DCL  CSEQ                  CHAR(8)              ; ADABAS
DCL  CLN1(20)              CHAR(40)             ; ADABAS
DCL  CLN2(20)              CHAR(40)             ; ADABAS
DCL  TRCE                  CHAR(7)              ; ADABAS
DCL  CLNNUM                FIXED BIN(15)        ; ADABAS
DCL  SQLRSP                FIXED BIN(15)        ; ADABAS
DCL  SQLQTY                FIXED BIN(31)        ; ADABAS
DCL  SQLISN                FIXED BIN(31)        ; ADABAS
DCL  SAVE_DBID_1OPN        FIXED BIN(15)        ; ADABAS
DCL 1 SAVE_DBID_DEFOPN     BASED(ADDR(SAVE_DBID_1OPN)), ADABAS
      2 FILLEROPN          CHAR(1),      ADABAS
      2 SAVE_DBIDOPN       CHAR(1);      ADABAS
DCL 1 FORMAT_BUFEMPL_1    ,           ,           ADABAS
      2 FILLE001           CHAR(34) INIT('AA,8,A,AE,20,A,AC,20,A,AH,6,U,AG,1'), ADABAS
      2 FILLE002           CHAR(03) INIT(',A. '), ADABAS
      FORMAT_BUFEMPL       CHAR(00037)
      BASED (ADDR( FORMAT_BUFEMPL_1 )); ADABAS
DCL 1 SEARCH_BUFEMPL_1    ,           ,           ADABAS
      2 FILLE001           CHAR(34) INIT('(22,AA,24,AC)/22/AA,8,A,S,AA,8,A,D'), ADABAS
      2 FILLE002           CHAR(25) INIT(',/24/AO,22,A,GT,D,AH,1,A. '), ADABAS
      SEARCH_BUFEMPL       CHAR(00059)
      BASED (ADDR( SEARCH_BUFEMPL_1 )); ADABAS
DCL 1 EMPLOYEES            UNAL,           ADADATA
      2 RECORD_BUFEMPL_1    ,           ,           ADADATA
      3 PERSONNEL_ID        CHAR (0008)      , ADADATA

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3 NAME CHAR (0020) , ADADATA
3 FIRST_NAME CHAR (0020) , ADADATA
3 BIRTH PIC '(0005)99' , ADADATA
3 SEX CHAR (0001) , ADADATA
2 ISN FIXED BIN(31), ADADATA
2 QUANTITY FIXED BIN(31), ADADATA
2 RESPONSE_CODE FIXED BIN(15), ADADATA
RECORD_BUFEMPL CHAR(00055) ADADATA
      BASED (ADDR( RECORD_BUFEMPL_1 )); ADADATA
DCL 1 VALUE_BUFEMPL_1 UNAL, ADABAS
2 V_PERSONNEL_ID_F CHAR (0008) ADABAS
      INIT(' '), ADABAS
2 V_PERSONNEL_ID_T CHAR (0008) ADABAS
      INIT(' '), ADABAS
2 V_MODEL_YEAR_MAKE, ADABAS
3 S_YEAR PIC '(0001)99' ADABAS
      INIT(0), ADABAS
3 S_MAKE CHAR (0020) ADABAS
      INIT(' '), ADABAS
2 V_CLASS CHAR (0001) ADABAS
      INIT(' '), ADABAS
VALUE_BUFEMPL CHAR(00039) ADABAS
      BASED (ADDR(VALUE_BUFEMPL_1 )); ADABAS
DCL V_MODEL_YEAR_MAKE_EMPL CHAR (0022) ADABAS
      BASED (ADDR(
VALUE_BUFEMPL_1.V_MODEL_YEAR_MAKE )); ADABAS
DCL ISN_BUFEMPL ( 1) FIXED BIN(31); ADABAS
DCL 1 CONTROL_BLOCKEMPL UNAL, ADABAS
3 FILLER1EMPL CHAR(2) INIT ('AS') , ADABAS
3 COMMAND_CODEEMPL CHAR(2) , ADABAS
3 COMMAND_IDEMPL CHAR(4) INIT ('EMPL') , ADABAS
3 FILE_NUMBEREMPL FIXED BIN(15) INIT ( 22) , ADABAS
3 RESPONSE_CODEEMPL FIXED BIN(15) INIT (0) , ADABAS
3 ISNEMPL FIXED BIN(31) INIT (0) , ADABAS
3 ISN_LOWER_LIMITEMPL FIXED BIN(31) INIT (0) , ADABAS
3 ISN_QUANTITYEMPL FIXED BIN(31) , ADABAS
3 FORMAT_BUFFER_LENGTHEMPL FIXED BIN(15) INIT ( 37) , ADABAS
3 RECORD_BUFFER_LENGTHEMPL FIXED BIN(15) INIT ( 55) , ADABAS
3 SEARCH_BUFFER_LENGTHEMPL FIXED BIN(15) INIT ( 59) , ADABAS
3 VALUE_BUFFER_LENGTHEMPL FIXED BIN(15) INIT ( 39) , ADABAS
3 ISN_BUFFER_LENGTHEMPL FIXED BIN(15) INIT ( 4) , ADABAS
3 COMMAND_OPTION_1EMPL CHAR(1) INIT (' ') , ADABAS
3 COMMAND_OPTION_2EMPL CHAR(1) INIT (' ') , ADABAS
3 ADDITIONS_1EMPL CHAR(8) INIT (' ') , ADABAS
3 ADDITIONS_2EMPL CHAR(4) INIT (' ') , ADABAS
3 ADDITIONS_3EMPL CHAR(8) INIT (' ') , ADABAS
3 ADDITIONS_4EMPL CHAR(8) INIT (' ') , ADABAS
3 ADDITIONS_5EMPL , ADABAS
4 ADDITIONS_5_BNEMPL FIXED BIN(31) INIT (0) , ADABAS
4 ADDITIONS_5_58EMPL CHAR(4) , ADABAS
3 COMMAND_TIMEEMPL FIXED BIN(31) , ADABAS
3 USER_AREAEMPL CHAR(4) INIT ('AS') ; ADABAS
DCL CONTROL_BLOCK_1EMPL CHAR(80) ADABAS
      BASED(ADDR(CONTROL_BLOCKEMPL)); ADABAS
DCL ADDITIONS_1_12EMPL CHAR(2) DEF ADDITIONS_1EMPL; ADABAS
DCL ADDITIONS_1_BNEMPL FIXED BIN(15) UNAL ADABAS
      BASED (ADDR(ADDITIONS_1EMPL)); ADABAS
DCL ADDITIONS_1_58EMPL CHAR(4) DEF ADDITIONS_1EMPL POS(5); ADABAS
DCL 1 ADDITIONS_5_DEFEMPL BASED (ADDR(ADDITIONS_5EMPL)), ADABAS
2 ADDITIONS_5_1EMPL CHAR(1), ADABAS
2 ADDITIONS_5_28EMPL CHAR(7); ADABAS
DCL DBIDEMPL CHAR(1) BASED (ADDR(FILE_NUMBEREMPL)); ADABAS

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DCL      ISNSIZEEMPL          FIXED BIN(31)          ; ADABAS
DCL      ISNMOREEMPL         FIXED BIN(31)          ; ADABAS
DCL      ISNINDEMPL          FIXED BIN(15)          ; ADABAS
DCL      SAVE_DBID_1EMPL     FIXED BIN(15)          ; ADABAS
DCL 1 SAVE_DBID_DEFEMPL BASED(ADDR(SAVE_DBID_1EMPL)), ADABAS
      2 FILLEREMPL CHAR(1), ADABAS
      2 SAVE_DBIDEMPL CHAR(1); ADABAS
DCL EOFEMPL BIT(1) INIT ('0'B); ADABAS
/*                                           */00000440
-/*                                           ** 00000450
      EXEC ADABAS                                00000460
      DECLARE EMPL CURSOR FOR                    00000470
      SELECT PERSONNEL-ID, NAME, FIRST-NAME, BIRTH, SEX 00000480
      FROM EMPLOYEES, VEHICLES                    00000490
      WHERE EMPLOYEES.PERSONNEL-ID = VEHICLES.PERSONNEL-ID 00000500
        AND PERSONNEL-ID BETWEEN '10000001' AND '19999999' 00000510
        AND VEHICLES.MODEL-YEAR-MAKE > :START_MODEL_YEAR_MAKE 00000520
        AND VEHICLES.CLASS = 'C'                  00000530
      END-EXEC                                    00000540
**                                           */ 00000550
/*                                           */00000560
      PUT SKIP EDIT (HEADER) (A);                00000570
      PUT SKIP EDIT (HEADER2) (A);               00000580
      PUT SKIP;                                  00000590
/*                                           */00000600
-/*                                           ** 00000610
      EXEC ADABAS                                00000620
      OPEN EMPL                                  00000630
      END-EXEC                                    00000640
**                                           */ 00000650
      VALUE_BUFEMPL_1.V_PERSONNEL_ID_F = '10000001'; ADABAS
      VALUE_BUFEMPL_1.V_PERSONNEL_ID_T = '19999999'; ADABAS
      V_MODEL_YEAR_MAKE_EMPL = START_MODEL_YEAR_MAKE; ADABAS
      VALUE_BUFEMPL_1.V_CLASS = 'C'; ADABAS
DO; ADABAS
ISNSIZEEMPL=ISN_BUFFER_LENGTHEMPL/4; ADABAS
ISNINDEMPL=1; ADABAS
ISN_LOWER_LIMITEMPL=0; ADABAS
COMMAND_OPTION_1EMPL=' '; ADABAS
COMMAND_OPTION_2EMPL=' '; ADABAS
ISN_BUFFER_LENGTHEMPL=0; ADABAS
ISN_QUANTITYEMPL=0 ; ADABAS
COMMAND_CODEEMPL='S1'; ADABAS
CALL ADABAS ( ADABAS
      CONTROL_BLOCKEMPL,FORMAT_BUFEMPL,RECORD_BUFEMPL, ADABAS
      SEARCH_BUFEMPL,VALUE_BUFEMPL, ADABAS
      ISN_BUFEMPL ) ; ADABAS
EMPLOYEES.RESPONSE_CODE =RESPONSE_CODEEMPL; ADABAS
EMPLOYEES.QUANTITY =ISN_QUANTITYEMPL; ADABAS
EMPLOYEES.ISN =ISNEMPL; ADABAS
IF RESPONSE_CODEEMPL*=0 ADABAS
  THEN DO; ADABAS
CSEQ='00000650'; ADABAS
CLN1(01)=' EXEC ADABAS ' ; ADABAS
CLN2(01)=' ' ; ADABAS
CLN1(02)=' OPEN EMPL ' ; ADABAS
CLN2(02)=' ' ; ADABAS
CLN1(03)=' END-EXEC ' ; ADABAS
CLN2(03)=' ' ; ADABAS
CLNNUM=03; ADABAS
CALL RESPINT ADABAS
      (CONTROL_BLOCKEMPL,DDFILE,CSEQ,FORMAT_BUFEMPL, ADABAS

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RECORD_BUFEMPL,SEARCH_BUFEMPL,VALUE_BUFEMPL,          ADABAS
CLN1,CLN2,TRCE,CLNNUM);                                ADABAS
END;                                                    ADABAS
ISNMOREEMPL=ISN_QUANTITYEMPL;                          ADABAS
IF ISNMOREEMPL > 0 THEN EOFEMPL= '0'B;                 ADABAS
                ELSE EOFEMPL= '1'B;                   ADABAS
IF ISNMOREEMPL<ISNSIZEEMPL THEN ISNSIZEEMPL=ISNMOREEMPL; ADABAS
ISNINDEEMPL=0;                                         ADABAS
END;                                                    ADABAS
/*                                                    */00000660
-/*                                                    ** 00000670
                EXEC ADABAS                            00000680
                FETCH EMPL                             00000690
                END-EXEC                               00000700
**                                                    */ 00000710
DO;
IF ISNINDEEMPL=ISNMOREEMPL THEN EOFEMPL='1'B;        ADABAS
IF *EOFEMPL THEN DO;                                  ADABAS
EOFEMPL='0'B;                                         ADABAS
COMMAND_OPTION_2EMPL='N';                             ADABAS
COMMAND_OPTION_1EMPL=' ';                             ADABAS
COMMAND_CODEEMPL='L1';                                ADABAS
CALL ADABAS (                                         ADABAS
                CONTROL_BLOCKEMPL,FORMAT_BUFEMPL,RECORD_BUFEMPL,
                SEARCH_BUFEMPL,VALUE_BUFEMPL,
                ISN_BUFEMPL                            ); ADABAS
EMPLOYEES.RESPONSE_CODE                               =RESPONSE_CODEEMPL; ADABAS
EMPLOYEES.QUANTITY                                   =ISN_QUANTITYEMPL; ADABAS
EMPLOYEES.ISN                                        =ISNEMPL;      ADABAS
IF RESPONSE_CODEEMPL=3                               ADABAS
THEN EOFEMPL='1'B;                                    ADABAS
ELSE                                                  ADABAS
IF RESPONSE_CODEEMPL*=0                              ADABAS
THEN DO;                                             ADABAS
CSEQ='00000710';                                     ADABAS
CLN1(01)='          EXEC ADABAS          ' ;         ADABAS
CLN2(01)='          ' ;                             ADABAS
CLN1(02)='          FETCH EMPL          ' ;         ADABAS
CLN2(02)='          ' ;                             ADABAS
CLN1(03)='          END-EXEC          ' ;           ADABAS
CLN2(03)='          ' ;                             ADABAS
CLNNUM=03;                                           ADABAS
CALL RESPINT                                         ADABAS
                (CONTROL_BLOCKEMPL,DDFILE,CSEQ,FORMAT_BUFEMPL,
                RECORD_BUFEMPL,SEARCH_BUFEMPL,VALUE_BUFEMPL,
                CLN1,CLN2,TRCE,CLNNUM);              ADABAS
END;                                                  ADABAS
END;                                                  ADABAS
END;                                                  ADABAS
                IF EOFEMPL THEN ADACODE = 003;        ADABAS
                ELSE ADACODE = 0;                    ADABAS
/*                                                    */00000720
DO WHILE (ADACODE *= 3);                              00000730
                PERSONNEL_NR = PERSONNEL_ID;         00000740
                LAST_NAME = NAME;                   00000750
                F_NAME = FIRST_NAME;                00000760
                BIRTHDAY = BIRTH;                   00000770
                KIND = SEX;                          00000780
                PUT SKIP EDIT (LINE1) (A);           00000790
-/*                                                    ** 00000800
                EXEC ADABAS                            00000810
                FETCH EMPL                             00000820

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                END-EXEC                                00000830
**                                                    */ 00000840
DO;                                                    ADABAS
IF ISNINDEMPL=ISNMOREEMPL THEN EOFEMPL='1'B;         ADABAS
IF *EOFEMPL THEN DO;                                 ADABAS
EOFEMPL='0'B;                                        ADABAS
COMMAND_OPTION_2EMPL='N';                             ADABAS
COMMAND_OPTION_1EMPL=' ';                             ADABAS
COMMAND_CODEEMPL='L1';                               ADABAS
CALL ADABAS (                                         ADABAS
        CONTROL_BLOCKEMPL,FORMAT_BUFEMPL,RECORD_BUFEMPL,
        SEARCH_BUFEMPL,VALUE_BUFEMPL,
        ISN_BUFEMPL                                   );      ADABAS
EMPLOYEES.RESPONSE_CODE                             =RESPONSE_CODEEMPL; ADABAS
EMPLOYEES.QUANTITY                                 =ISN_QUANTITYEMPL;  ADABAS
EMPLOYEES.ISN                                     =ISNEMPL;        ADABAS
IF RESPONSE_CODEEMPL=3                             ADABAS
THEN EOFEMPL='1'B;                                  ADABAS
ELSE                                                 ADABAS
IF RESPONSE_CODEEMPL*=0                             ADABAS
THEN DO;                                            ADABAS
CSEQ='00000840';                                     ADABAS
CLN1(01)='                EXEC ADABAS              ';   ADABAS
CLN2(01)='                ';                          ADABAS
CLN1(02)='                FETCH EMPL                ';   ADABAS
CLN2(02)='                ';                          ADABAS
CLN1(03)='                END-EXEC                  ';   ADABAS
CLN2(03)='                ';                          ADABAS
CLNNUM=03;                                          ADABAS
CALL RESPINT                                         ADABAS
        (CONTROL_BLOCKEMPL,DDFILE,CSEQ,FORMAT_BUFEMPL,
        RECORD_BUFEMPL,SEARCH_BUFEMPL,VALUE_BUFEMPL,
        CLN1,CLN2,TRCE,CLNNUM);                      ADABAS
END;                                                 ADABAS
END;                                                 ADABAS
END;                                                 ADABAS
IF EOFEMPL THEN ADACODE = 003;                      ADABAS
ELSE ADACODE = 0;                                    ADABAS
END;                                                 00000850
/*                                                    */00000860
-/*                                                    ** 00000870
                EXEC ADABAS                          00000880
CLOSE EMPL                                           00000890
                END-EXEC                              00000900
**                                                    */ 00000910
DO;                                                    ADABAS
COMMAND_OPTION_1EMPL='I';                             ADABAS
COMMAND_OPTION_2EMPL='S';                             ADABAS
COMMAND_CODEEMPL='RC';                               ADABAS
CALL ADABAS (                                         ADABAS
        CONTROL_BLOCKEMPL,FORMAT_BUFEMPL,RECORD_BUFEMPL,
        SEARCH_BUFEMPL,VALUE_BUFEMPL,
        ISN_BUFEMPL                                   );      ADABAS
EMPLOYEES.RESPONSE_CODE                             =RESPONSE_CODEEMPL; ADABAS
EMPLOYEES.QUANTITY                                 =ISN_QUANTITYEMPL;  ADABAS
EMPLOYEES.ISN                                     =ISNEMPL;        ADABAS
IF RESPONSE_CODEEMPL*=0                             ADABAS
THEN DO;                                            ADABAS
CSEQ='00000910';                                     ADABAS
CLN1(01)='                EXEC ADABAS              ';   ADABAS
CLN2(01)='                ';                          ADABAS
CLN1(02)='                CLOSE EMPL                ';   ADABAS

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CLN2(02)='          ' ; ADABAS
CLN1(03)='          END-EXEC ' ; ADABAS
CLN2(03)='          ' ; ADABAS
CLNNUM=03; ADABAS
  CALL RESPINT ADABAS
    (CONTROL_BLOCKEMPL,DDFILE,CSEQ,FORMAT_BUFEMPL, ADABAS
     RECORD_BUFEMPL,SEARCH_BUFEMPL,VALUE_BUFEMPL, ADABAS
     CLN1,CLN2,TRCE,CLNNUM); ADABAS
  END; ADABAS
END; ADABAS
/* */00000920
-/* ** 00000930
      EXEC ADABAS 00000940
      DBCLOSE 00000950
      END-EXEC 00000960
** */00000970
DO; ADABAS
RECORD_BUFFER_LENGTHOPN=1500; ADABAS
COMMAND_OPTION_2OPN = ' ' ; ADABAS
COMMAND_CODEOPN = 'CL' ; ADABAS
CALL ADABAS ( ADABAS
  CONTROL_BLOCKOPN ,FORMAT_BUFOPN ,RECORD_BUFOPN , ADABAS
  SEARCH_BUFOPN ,VALUE_BUFOPN , ADABAS
  ISN_BUFOPN ); ADABAS
IF RESPONSE_CODEOPN *=0 ADABAS
  THEN DO; ADABAS
CSEQ='00000970' ; ADABAS
CLN1(01)='          EXEC ADABAS ' ; ADABAS
CLN2(01)='          ' ; ADABAS
CLN1(02)='          DBCLOSE ' ; ADABAS
CLN2(02)='          ' ; ADABAS
CLN1(03)='          END-EXEC ' ; ADABAS
CLN2(03)='          ' ; ADABAS
CLNNUM=03; ADABAS
  CALL RESPINT ADABAS
    (CONTROL_BLOCKOPN ,DDFILE,CSEQ,FORMAT_BUFOPN , ADABAS
     RECORD_BUFOPN ,SEARCH_BUFOPN ,VALUE_BUFOPN , ADABAS
     CLN1,CLN2,TRCE,CLNNUM); ADABAS
  END; ADABAS
END; ADABAS
/* */00000980

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