```cobol
       Identification Division.
       Program-ID.    J7200552.
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*      *
*      *
*      * Determine the current execution environment - are we
*      * running in CICS, Batch, or Unix?
*      *
*      * Note that the run environment is cached in Working-Storage
*      * so that multiple calls in a single run unit (a batch job or
*      * CICS transaction) will only result in one call to J7200551.
*      *
*      * Syntax:
*      * Working-Storage Section.
*      * 77  CICS-OR-WHAT    PIC X(008) VALUE 'J7200552'.
*      * 77  CICS-OR-WHAT-SW PIC X(001) VALUE SPACE.
*      *     88  IN-CICS                VALUE 'C'.
*      *     88  IN-BATCH               VALUE 'B'.
*      *     88  IN-UNIX                VALUE 'U'.
*      *
*      * Procedure Division.
*      *     CALL CICS-OR-WHAT USING CICS-OR-WHAT-SW END-CALL
*      *     IF RETURN-CODE = 0
*      *         EVALUATE TRUE
```

```cobol
*           WHEN IN-CICS
*               do cics things
*           WHEN IN-BATCH
*               do batch things
*           WHEN IN-UNIX
*               DISPLAY 'How did I get here?'
*       END-EVALUATE
*     ELSE
*        error handling
*     END-IF
*
* Return codes:
* 0  - Success
* 8  - Unable to determine environment - LE error
* 12 - Unable to determine environment - unknown cause
*
* Check SYSOUT in batch, CEEMSG (the CESE TD queue) in CICS,
* stderr or stdout in Unix for LE error messages in the event
* of a bad return code.
*

 Environment Division.
 Data Division.
 Working-Storage Section.
 01  CONSTANTS.
     05  MYNAME                  PIC X(008) VALUE 'J7200552'.
     05  INFO-PGM                PIC X(008) VALUE 'J7200551'.

 01  SWITCHES.
     05  FIRST-TIME-SW           PIC X(001) VALUE SPACE.
         88  FIRST-TIME-THRU                VALUE SPACE.

 Local-Storage Section.
 01  WS-SYS-ENV.
     05  WS-SYS  PIC X(032) VALUE SPACES.
     05  WS-ENV  PIC X(032) VALUE SPACES.
     05  WS-LANG PIC X(032) VALUE SPACES.

 01  WS-LE-INFO.
     05  WS-LE-PRDT-NB PIC 9(005) VALUE ZEROES.
     05  WS-LE-VERS    PIC 9(005) VALUE ZEROES.
     05  WS-LE-RLSE    PIC 9(005) VALUE ZEROES.
     05  WS-LE-MDFN    PIC 9(005) VALUE ZEROES.

 Linkage Section.
 01  RUN-ENV         PIC X(001).
```

```cobol
         88  RUN-ENV-CICS              VALUE 'C'.
         88  RUN-ENV-BATCH             VALUE 'B'.
         88  RUN-ENV-UNIX              VALUE 'U'.
         88  RUN-ENV-UNKNOWN           VALUE SPACE.


 Procedure Division Using RUN-ENV.

     IF FIRST-TIME-THRU
*        Get information about our environment
         CALL INFO-PGM USING
             WS-SYS-ENV
             WS-LE-INFO
         END-CALL
         IF RETURN-CODE = 0
             EVALUATE TRUE
               WHEN WS-SYS(1:1) = '1'
               WHEN WS-SYS(2:1) = '1'
               WHEN WS-SYS(3:1) = '1'
               WHEN WS-SYS(4:1) = '1'
                     SET RUN-ENV-CICS TO TRUE
               WHEN WS-SYS(6:1) = '1'
                     SET RUN-ENV-BATCH TO TRUE
               WHEN WS-SYS(7:1) = '1'
                     SET RUN-ENV-UNIX TO TRUE
               WHEN OTHER
                     SET RUN-ENV-UNKNOWN TO TRUE
                     MOVE 12 TO RETURN-CODE
             END-EVALUATE
         ELSE
             SET RUN-ENV-UNKNOWN TO TRUE
             MOVE 8 TO RETURN-CODE
         END-IF
         MOVE RUN-ENV TO FIRST-TIME-SW
     ELSE
         MOVE FIRST-TIME-SW TO RUN-ENV
     END-IF

     GOBACK.
```