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-----------------------------------------------------------------------
    C O D I G O S   D E   F I L E - S T A T U S
-----------------------------------------------------------------------
```

0 Successful completion:

  00 - No further information.
      * Operacion correcta, la operacion se realizo satisfactoria-
      mente.

  02 - The input-output statement was successfully executed, but a
      plicate key was detected. For a READ statement the key value
      for the current key of reference was equal to the value of the
      same key in the next record within the current key or referen-
      ce. For a REWRITE or WRITE statement, the record just written
      created a duplicate key value for at least one alternate re-
      cord key for which duplicates are allowed.
      * Clave duplicada correcta. Se encontro clave duplicada pero
      se especifico duplicidad de claves.

  04 - A READ statemente was successfully executed, but the length of
      the record being processed did not conform to the fixed file
      attributes for that file.
      * La longitud del registro no esta conforme a la descripcion
      del fichero.

  05 - An OPEN statemente is successfully executed but the referenced
      optional file is not present at the time the OPEN statement is
      executed. If the open mode is I-O or extend, the file has been
      created.
      * Se ha abierto un fichero que no esta presente.

  07 - For a CLOSE statemente with the NO REWIND, REEL/UNIT, or FOR
      REMOVAL phrase or for an OPEN statement with the NO REWIND
      phrase, the referenced file was on a non-reel/unit medium.
      * El dispositivo de almacenamiento ded archivo no es una
      cinta magnetica, sin embarto un CLOSE o un OPEN incluyen una
      frase correspondiente NO REWIND, REEL, FOR REMOVAL.

 1 At end condition:
   * Se encontro un final de fichero.

  10 - A sequential READ statement was attempted and no next logical
      record existed in the file because the end of the file had
      been reached, or the first READ was attempted on an optional

input file that was not present.
* Final del fichero. Se encontro el final del fichero inten-
tando una lectura secuencial.

14 - A sequential READ statement was attempted for a relative file
and the number of significant digits in the relative record
number was larger than the size of the relative key data item
described for the file.

15 - * Intento de leer un fichero opcional que no esta presente.

16 - * Una sentencia READ se ejecuto mientras la condicion AT END
era verdadera. (Intento de leer despues de fin de fichero).

2 Invalid key condition:
 * Claves duplicadas

21 - A sequence error exists for a sequentially accessed indexed
file. The prime record key value has been changed by the pro-
gram betwween the successful execution of a READ statement and
the execution of the next REWRITE statement for that file, or
the ascending requirements for successive record key values
were violated.
* Error-secuencia. Se intenta grabar un registro con clave
menor que el ultimo existente.

22 - An attempt was made to write a record that would create a du-
plicate key in a relative file or an attempt was made to write
or rewrite a record that would create a duplicate prime record
key or a duplicate alternate record key without the DUPLICATES
phrase in an indexed file. This key value applies to an inde-
xed file in which the alternate key has been declared 'UNIQUE'
* Clave duplicada. Se trato de escribir un registro donde ya
se habia escrito otro registro (quizas se uso un REWRITE). Se
intenta grabar un registro con la misma clave existente.

23 - An attempt was made to randomly access a record that does not
exist in the file, or a START or random READ statement was at-
tempted on an optional input file that was not present.
* Registro no encontrado. Se intenta leer una clave que no
existe. Se intenta leer o situar un fichero vacio. En un
Start se pone Greater en la clave y existe clave con high-va-
lue se intenta una lectura y previamente se hizo una con
high-values.

24 - An attempt was made to write beyond the externally defined
boundaries of a relative or indexed file. Or, a sequential
WRITE statement was attempted for a relative file and the num-
ber of significant digits in the relative record number was
larger than the size of the relative key data item described
for the file.
* Violacion de los limites de un indexado. Se intenta grabar
y el fichero no dispone de mas extensiones. Se trato de es-
cribir fuera de los limites del archivo.

3 Permanent error condition:
 * Error permanente.

30 - No further information.
   * Existe un error permanente, no hay informacion adicional
disponible.

34 - A permanent error exists because of a boundary violation; an
attempt was made to write beyond the externally-defined boun-
daries of a sequential file.
* Violacion de limites en un secuencial. Se intenta grabar y
el fichero esta lleno.

35 - An OPEN statement with the INPUT, I-O, or EXTEND. Phrase was
attempted on a non-optional file that was not present.

* Se produce cuando tratamos de leer un fichero VSAM vacio de
nueva creacion. Para solucionarlo hay que definirlo como:
      SELECT OPTIONAL ddname ASSIGN
              FILE STATUS IS st-xxxxxxx.

y aceptar el file-status '05' que nos devuelve cuando lo abri-
mos como correcto.

      IF st-xxxxxxx = '00' OR = '05'
         CORRECTO
      END-IF.

37 - An OPEN statement was attempted on a file that would not sup-
port the open mode specified in the OPEN statement. Possible
violations are:
* Intento de OPEN a un fichero que debe estar en almacena-
miento masimo pero no esta.

   1. The EXTEND or OUTPUT phrase was specified but the file
      would not support write operations.

2. The I-O phrase was specified but the file would not support the input and output operations permitted.

3. The INPUT phrase was specified but he file would not support read operations.

38 - An OPEN statemente was attempted on a file previously closed with lock.
   * Intento de OPEN a un fichero que a sido cerrado (CLOSED) con LOCK.

39 - The OPEN statement was unsuccessful because a conflict was detectd between the fixed file attributes and the attributes specified for that file in the program. These attributes include the organization of the file (sequential, relative, or indexed), the prime record key, the alternate record keys, the code set, the maximun record size, the record type (fixed or variable), and the blocking factor.
   * Error durante la ejecucion de OPEN, debido a inconsistencia entre la descripcion del fichero y el fichero real.

4 Logic error condition.
 * Ibm definido.

41 - An OPEN statement was attempted for a file in the open mode.
   * Se trato de hacer un OPEN a un fichero ya abierto.

42 - A CLOSE statement was attempted for a file not in the open mode.
   * Se trato de hacer un CLOSE a un fichero ya cerrado.

43 - For a mass storage file in the sequential access mode, the lasr input-output statement executed for the associated file prior to the execution of a REWRITE statement was not a successfully executed READ statement. For relative and indexed files in the secuential access mode, the last input-output statement executed for the file prior to the execution of a DELETE or REWRITE statement was not a successfully executed READ statement.

   * Se trato de hacer un DELETE o un REWRITE en modo de acceso secuencial, sin que se haya ejecutado con exito una instruccion READ precedente.

44 - A boundary violation exist because an attempt was made to
     rewrite a record to a file and the record was not the same si-
     size as the record being replaced, or an attempt was made to
     write or rewrite a record that was larger than the largest or
     smaller than the smallest record allowed by the RECORDS IS VA-
     RYING clause of the associated file-name.
     * Una violacion de limite debida al intento de WRITE o
     REWRITE a un registro de longitud inapropiada.

46 - A sequential READ statement was attempted on a file open in
     the input or I-O mode and no valid next record had been esta-
     blished because the preceding READ statement was un successful
     or caused an at end condition.
     * Intento de READ a un registro no existente.

47 - The execution of a READ statement was attempted on a file not
     open in the input or I-O mode.
     * Se trato de hacer un READ o un START a un fichero fuera
     del modo I/O o INPUT.

48 - The execution of a WRITE statement was attempted on a file not
     open in the I-O, output or extend mode.
     * Se trato de hacer un WRITE en un archivo que no se abrio
     en ninguno de los modos OUTPUT, I/O, o EXTEND

49 - The execution of a DELETE or REWRITE statement was attempted
     on a file not open in the I-O mode.
     * Se trato de hacer un DELETE o un REWRITE en un fichero que
     no estaba en modo I/O.

9 Implementor-defined condition.

  90 - No further information.

  91 - For VSAM only: Password faiture.
       * Falta la password.

  92 - Logic error.
       * Error logico. Se intenta utilizar el fichero y este esta
       cerrado. Se intenta leer el fichero y detecto un final previo.
       Se intento un rewrite o un delete y el fichero no se abrio
       como I-O. Se intento un rewrite y el area es mayor que la de-
       finida. Se intento una insercion en un fichero abierto exten-
       ded y la clave no es mayor que la mayor existente en el fi-
       chero.

93 - For VSAM only: Resource not available.
   * Fichero en uso. El fichero esta siendo usado en exclusiva
   por otro programa.

94 - For VSAM with CMPR2 compiler-option only: No file position in-
   dicator for sequential request.
   * Perdido el puntero. Una operacion anterior dejo el direc-
   cionador de registro mal.

95 - For VSAM only: Invalid or incomplete file information.
   * Error informacion de fichero. Un fichero con definicion de
   cluster como ksds, esta siendo abierto como secuencial. La
   longitud o el desplazamiento de la clave no corresponde con
   el especificado en la definicion de cluster. El fichero ha
   sido abierto como output y no esta vacio.

96 - For VSAM only: No DD statement specified or this file.
   * Falta DLBL. Falta ficha de informacion de fichero en el
   jcl (ficha dd).

97 - For VSAM only: OPEN statement execution successfull: File in-
   tegrity verified.
   * Fichero mal cerrado. El fichero ha sido utilizado en un
   programa anterior y no fue cerrado satisfactoriamente, el
   sistema hace un verify automaticamente y continua.