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       IDENTIFICATION DIVISION.
       PROGRAM-ID.BOTTLES_OF_BEER.
       AUTHOR.DONALD FRASER.
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       ENVIRONMENT DIVISION.
       CONFIGURATION SECTION.
       SOURCE-COMPUTER. VAX.
       OBJECT-COMPUTER. VAX.
      *
       INPUT-OUTPUT SECTION.
       FILE-CONTROL.
           SELECT OUTPUT-FILE
               ASSIGN TO BEERS_ON_THE_WALL.
      *
       DATA DIVISION.
       FILE SECTION.
       FD OUTPUT-FILE
           LABEL RECORDS ARE OMITTED.
       01 BEERS-OUT                   PIC X(133).
      *
       WORKING-STORAGE SECTION.
       01 FLAGS-COUNTERS-ACCUMULATORS.
           05 FLAGS.
               10 E-O-F                PIC 9.
                   88 END-OF-FILE      VALUE 1.
           05 COUNTERS.
               10 BOTTLES             PIC 999 VALUE 0.
       01 RECORD-OUT.
           05 LINE1.
               10 NUMBER-OF-BEERS-1 PIC ZZ9.
               10                       PIC X(28) VALUE "BOTTLES OF BEER IN THE WALL ".
               10                       PIC X    VALUE ",".
               10 NUMBER-OF-BEERS-2 PIC ZZ9.
               10                       PIC X.
               10                       PIC X(17) VALUE "BOTTLES OF BEER.".
           05 LINE2.
               10                       PIC X(34) VALUE "TAKE ONE DOWN AND PASS IT ARROUND ".
               10 NUMBER-OF-BEERS-3 PIC ZZ9.
               10                       PIC X.
               10                       PIC X(28) VALUE "BOTTLES OF BEER IN THE WALL".
      *
       PROCEDURE DIVISION.
       DRIVER-MODULE.
          PERFORM INITIALIZATION.
          PERFORM PROCESS UNTIL END-OF-FILE.
          PERFORM TERMINATION.
          STOP RUN.
      *
       INITIALIZATION.
          OPEN OUTPUT OUTPUT-FILE.
          ADD 100 TO BOTTLES.
      *
       PROCESS.
          IF BOTTLES = 0 THEN
            COMPUTE E-O-F = 1
          ELSE PERFORM WRITE-ROUTINE
          END-IF.
      *
       TERMINATION.
          CLOSE OUTPUT-FILE.
      *
       WRITE-ROUTINE.
          MOVE BOTTLES TO NUMBER-OF-BEERS-1, NUMBER-OF-BEERS-2.
          COMPUTE BOTTLES = BOTTLES - 1.
          WRITE BEERS-OUT FROM LINE1.
          MOVE BOTTLES TO NUMBER-OF-BEERS-3.
          WRITE BEERS-OUT FROM LINE2.
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