```
          .
          .
          .
WORKING-STORAGE SECTION.
          .
          .
          .
01  WS5-INPUT-REC-AREA.
    05  WS5-EXAM-IN           OCCURS  3 TIMES     PIC 9(3).
    05                                            PIC X(2).

01  WS6-TEST-TABLE.
    05  WS6-SECTION           OCCURS  3 TIMES.
        10  WS6-STUDENT       OCCURS 10 TIMES.
            15  WS6-EXAM      OCCURS  3 TIMES.
                20  WS6-EXAM-SCORE                PIC 9(3).

01  WS7-ACCUMULATORS.
    05  WS7-SECTION-TOTAL                         PIC 9(4)
                                                  USAGE COMP
                                                  VALUE ZERO.
    05  WS7-STUDENT-TOTAL                         PIC 9(4)
                                                  USAGE COMP
                                                  VALUE ZERO.
    05  WS7-SECTION-AVERAGE                       PIC 9(3).

01  WS8-SUBSCRIPTS.
    05  WS8-SECTION-SUB                           PIC 9.
    05  WS8-STUDENT-SUB                           PIC 9.
    05  WS8-EXAM-SUB                              PIC 9.
     .

     .
PROCEDEDURE DIVISION.

MAIN-DRIVER.

    PERFORM A000-INITIAL-ROUTINES.
    PERFORM BOOO-LOAD-EXAM-TABLE.
    PERFORM COOO-SECTION REPORT VARYING WS8-SECTION-SUB
                            FROM 1 BY 1
                          UNTIL WS8-SECTION-SUB > 3.
    PERFORM DOOO-CLOSURE-ROUTINE.
    STOP RUN.

A000-INITIAL-ROUTINES.
     .
     .
     .
    PERFORM X100-READ-EXAM-FILE.

B000-LOAD-EXAM-TABLE.

    PERFORM B100-PROCESS-EXAM-FILE VARYING WS8-SECTION-SUB
                            FROM 1 BY 1
                          UNTIL WS8-SECTION-SUB > 3.
                          OR    WS1-NO-MORE-RECORDS.
```

```
B100-PROCESS-EXAM-FILE.

    PERFORM B110-LOAD-SECTION-DATA VARYING WS8-STUDENT-SUB
                             FROM 1 BY 1
                          UNTIL WS8-STUDENT-SUB > 10.

B110-LOAD-SECTION-DATA.

    PERFORM B111-LOAD-STDNT-SCORES VARYING WS8-EXAM-SUB
                             FROM 1 BY 1
                          UNTIL WS8-EXAM-SUB > 3.
    PERFORM X100-READ-EXAM-FILE.

B110-LOAD-STDNT-SCORES.

    MOVE WS5-EXAM-IN (WS8-EXAM-SUB) TO WS6-EXAM-SCORE
                                   (WS8-SECTION-SUB,
                                    WS8-STUDENT-SUB,
                                    (WS8-EXAM-SUB)

COOO-SECTION-REPORTS.

    PERFORM C100-SECTION-INITIAL-ROUTINES.
    PERFORM C200-STUDENT-REPORT VARYING WS8-STUDENT-SUB
                             FROM 1 BY 1
                          UNTIL WS8-STUDENT-SUB > 10.
    PERFORM C300-SECTION-FOOTER.

C100-SECTION-INITIAL-ROUTINES.

    PERFORM C110-WRITE-SECTION-HEADERS.
    PERFORM C120-INITIALIZE-SECTION-TOTAL.

C110-WRITE-SECTION-HEADERS.

    (write the headers, using WS8-SECTION-SUB where required.)

C120-INITIALIZE-SECTION-TOTAL.

    INITIALIZE WS7-SECTION-TOTAL.

C200-STUDENT-REPORT.

    PERFORM C210-INITIALIZE-STDNT-TOTAL.
    PERFORM C220-ACCUM-STDNT-TOTAL VARYING WS8-EXAM-SUB
                             FROM 1 BY 1
                          UNTIL WS8-EXAM-SUB > 3.
    PERFORM C230-MOVE-N-WRITE-STUDENT-TOTAL.
    PERFORM C240-ACCUMULATE-SECTION-TOTAL.

C220-ACCUM-STDNT-TOTAL.

    ADD WS6-EXAM-SCORE (WS8-SECTION-SUB,
                        WS8-STUDENT-SUB,
                        WS8-EXAM-SUB)
                                  TO WS7-STUDENT-TOTAL.
```

```
C230-MOVE-N-WRITE-STUDENT-TOTAL.

    (move WS8-STUDENT-SUB and WS7-STUDENT-TOTAL
                 to the detail line, then write it.)

C240-ACCUMULATE-SECTION-TOTAL.

    ADD WS7-STUDENT-TOTAL TO WS7-SECTION-TOTAL.

C300-SECTION-FOOTER.

    PERFORM C310-CALC-SECTION-AVERAGE.
    PERFORM C320-MOVE-N-WRITE-SECT-AVG.

C310-CALC-SECTION-AVERAGE.
    (you know how to do this!)


C320-MOVE-N-WRITE-SECT-AVG.

    (move WS8-SECTION-SUB and WS7-SECTION-AVE to the footer dtail
    line, then write it.)
```