

48. Reading Information from a Sequential File (continued)

If a file contains more than one record, then the program has to open the file, process the records one-by-one, and finally close the file.

Example

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ENVIRONMENT DIVISION.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT STOCK-FILE ASSIGN TO 'STOCK'
    ORGANIZATION IS SEQUENTIAL.

DATA DIVISION.
FILE SECTION.
FD STOCK-FILE.
01 STOCK-RECORD.
    05 STOCK-NUMBER PIC 9(5).
    05 STOCK-DESCRIPTION PIC X(30).
    05 STOCK-QUANTITY PIC 9(3).

WORKING-STORAGE SECTION.
01 EOF-INDICATOR PIC X VALUE SPACES.

PROCEDURE DIVISION.
MAKE-STOCK-FILE-MAIN.
    PERFORM OPEN-FILE
    PERFORM PROCESS-STOCK-RECORD 5 TIMES
    PERFORM CLOSE-FILE
    STOP RUN.

OPEN-FILE.
    OPEN INPUT STOCK-FILE.
PROCESS-STOCK-RECORD.
    PERFORM GET-DETAILS-FROM-DISK
    PERFORM DISPLAY-DETAILS.
CLOSE-FILE.
    CLOSE STOCK-FILE.

GET-DETAILS-FROM-DISK.
    READ STOCK-FILE AT END DISPLAY 'END OF FILE'
    END-READ.
DISPLAY-DETAILS.
    DISPLAY 'Stock Number ', STOCK-NUMBER
    DISPLAY 'Description ', STOCK-DESCRIPTION
    DISPLAY 'Quantity in Stock ', STOCK-QUANTITY.
```

Exercises

1. Write a program which will read the student file created by your program from lesson 46, exercise (1) and display the details.
2. Write a program which will read the staff file created by your program from lesson 46, exercise (2) and display the details.