A line sequential file (inventory file) is to be read in order to convert it to an Indexed Sequential file. The structure of the records in that file is given below. Partial PROCEDURE DIVISION is also provided.  
  
You have to code the Environment Division, other Data Division entries and the Procedure Division to read the records from the Line Sequential file and create the Indexed Sequential file. The Key Field for the input record is INVENTORY-ID. Consider that the file is in ascending order by the Key Field. Also, create an alternate key on filed VENDOR-NAME which may contain duplicate vendor names for different values of INVENTORY-ID.

ENVIRONMENT DIVISION.

INPUT-OUTPUT SECTION.

FILE-CONTROL.

SELECT INVENT-FILE

ASSIGN TO '../FILE1.TXT'

ORGANIZATION IS LINE SEQUENTIAL.

SELECT INDEXED-INVENT-FILE

ASSIGN TO '../FILE2.TXT'

ORGANIZATION IS INDEXED

ACCESS MODE IS SEQUENTIAL

RECORD KEY IS INVENTORY-ID-INDEXED

KEY IS VENDOR-NAME-INDEXED

WITH DUPLICATES

FILE STATUS IS STATUS-FIELD.

DATA DIVISION.

FD INVENT-FILE.  
01 INVENTORY-RECORD-IN.  
 05 INVENTORY-ID PIC X(9).

05 VENDOR-NAME PIC X(20).  
 05 INVENTORY-DESCRIPTION PIC X(40).

FD INDEXED-INVENT-FILE.

01 INVENTORY-RECORD-IN-INDEXED.

05 INVENTORY-ID-INDEXED PIC X(9).

05 VENDOR-NAME-INDEXED PIC X(20).

05 INVENTORY-DESCRIPTION-INDEXED PIC X(40).

WORKING-STORAGE SECTION.

01 EOF-FLAG PIC X.

01 STATUS-FIELD PIC XX.

PROCEDURE DIVISION.  
100-CREATE-INVENTORY-FILE.  
 PERFORM 101-INITIALIZE-CREATE-FILE.  
 PERFORM 102-CREATE-INVENTORY-RECORDS  
 UNTIL EOF-FLAG = “YES”.  
 PERFORM 103-TERMINATE- PROGRAM.  
 STOP RUN.

101-INITIALIZE-CREATE-FILE.

PERFORM 201-OPEN-INV-FILES.

102-CREATE-INVENTORY-RECORDS.

PERFORM 202-READ-INVENT-FILE.

103-TERMINATE-PROGRAM.

CLOSE INVENT-FILE, INDEXED-INVENT-FILE.

201-OPEN-INV-FILES.

OPEN INPUT INVENT-FILE.

OPEN OUTPUT INDEXED-INVENT-FILE.

203-WRITE-IND-INV-RECORD.

MOVE INVENTORY-RECORD-IN

TO INVENTORY-RECORD-IN-INDEXED.

WRITE INVENTORY-RECORD-IN-INDEXED

INVALID KEY

DISPLAY “Invalid Key”

DISPLAY “STATUS-FIELD is: ” STATUS-FIELD

DISPLAY “Original file Inv-ID is: ” INVENTORY-ID

NOT INVALID KEY

DISPLAY “SUCCESS”

DISPLAY INVENTORY-RECORD-IN-INDEXED.

202-READ-INVENT-FILE

READ INVENT-FILE

AT END MOVE 'Y' TO EOF-FLAG

NOT AT END PERFORM 203-WRITE-IND-INV-RECORD.