

- 11 The pseudocode algorithm below allows a user to input a new stock item. The random file is searched for the next empty location in the file and the new item is inserted there. A suitable message is displayed if the file is full.

Complete this pseudocode.

```
DECLARE Location : INTEGER
DECLARE NewStock : STRING
DECLARE CurrentStock : STRING
DECLARE Stored : BOOLEAN
DECLARE Max : INTEGER
Max ← 100000
Stored ← FALSE
Location ← 1

.....
OUTPUT "Enter the new item you wish to store: "
INPUT NewStock
WHILE NOT Stored AND Location <= Max

.....

    GETRECORD "StockList.dat", .....
    IF CurrentStock = "" THEN

        ..... "StockList.dat", NewStock
        Stored ← TRUE
    ELSE
        Location ← Location + 1
    ENDIF
ENDWHILE

..... THEN
    OUTPUT "The new item has not been stored as the file was full."
ENDIF
CLOSEFILE "StockList.dat"
```