8 A teacher is designing a program to process pseudocode projects written by her students.

Each student project is stored in a text file.

The process is split into a number of stages. Each stage performs a different task and creates a new file named as shown:

File name	Comment
`MichaelAday_src.txt`	student project file produced by student Michael Aday
`MichaelAday_S1.txt`	file produced by stage 1
`MichaelAday_S2.txt`	file produced by stage 2

The teacher has defined the first program module as follows:

Module	Description
`DeleteComment()`	• called with a parameter of type string representing a line of pseudocode from a student's project file • returns the line after removing any comments Note on comments: A comment starts with two forward slash characters and includes all the remaining characters on the line. The following example shows a string before and after the comment has been removed: Before: `IF X2 > 13 THEN   //check if limit exceeded` After: `IF X2 > 13 THEN`

(a) Complete the pseudocode for module `DeleteComment()`.

```
FUNCTION DeleteComment(Line : STRING) RETURNS STRING
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ENDFUNCTION
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(b) A second module is defined:

Module	Description
`Stage_1()`	• called with a parameter of type string representing a student name • creates a new stage 1 file • copies each line from the student's project file to the stage 1 file after removing any comment from each line • does **not** write blank lines to the stage 1 file • returns the number of lines written to the stage 1 file

Write pseudocode for module `Stage_1()`.

Module `DeleteComment()` must be used in your solution.

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