011 An algorithm a day...

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Source: OCR GCSE Computing Specimen Exam

A display board can show a flashing message of up to 20 characters.

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Write an algorithm in pseudocode which:							
- Allows the user to input the message and the number of flashes							
- Rejects the message if it is longer than 20 characters and stop							
- Otherwise it repeatedly displays the message and clears the	aispiay						
for the correct number of times.	[5 marks]						
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Algorithm Example Answer

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Write an algorithm in pseudocode which:

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[5 marks]

There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

- Inputs message and number of flashes
- If length of message > 20, output error message and stop
- Otherwise run a loop which will
- ... flash the message
- ... for the correct number of times

EXAMPLE ALGORITHM:

```
INPUT Message
INPUT NumberOfFlashes
IF length(Message) > 20 Then
    OUTPUT "This message is too long"
ELSE
    FOR i = 1 to NumberOfFlashes
        Display Message
        Wait
        Clear Message
        Wait
        NEXT i
END IF
```