

6 An algorithm has been written in pseudocode.

```
01 DECLARE A[1:10] : STRING
02 DECLARE T : STRING
03 DECLARE C, L : INTEGER
04 L ← 10
05 FOR C ← 1 TO L
06     OUTPUT "Please enter name "
07     INPUT A[C]
08 NEXT C
09 FOR C ← 1 TO L
10     FOR L ← 1 TO 9
11         IF A[L] > A[L + 1]
12             THEN
13                 T ← A[L]
14                 A[L] ← A[L + 1]
15                 A[L + 1] ← T
16             ENDIF
17     NEXT L
18 NEXT C
19 FOR C ← 1 TO L
20     OUTPUT "Name ", C, " is ", A[C]
21 NEXT C
```

(a) State the purpose of this pseudocode algorithm.

.....  
..... [1]

(b) State **four** processes in this algorithm.

1 .....

.....

2 .....

.....

3 .....

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4 .....

..... [4]

(c) Meaningful identifiers have **not** been used in this algorithm.  
Suggest suitable meaningful identifiers for:

The array:

A .....

The variables:

T .....

C .....

L .....

[3]

(d) State **two** other ways the algorithm can be made easier to understand and maintain.

1 .....

.....

2 .....

.....

[2]