

- 5 An algorithm has been written in pseudocode to allow some numbers to be input. All the positive numbers that are input are totalled and this total is output at the end. An input of 0 stops the algorithm.

```
01 Exit ← 1
02 WHILE Exit <> 0 DO
03     INPUT Number
04     IF Number < 0
05         THEN
06             Total ← Total + Number
07         ELSE
08             IF Number = 0
09                 THEN
10                     Exit ← 1
11             ENDIF
12         ENDIF
13 ENDIF
14 OUTPUT "The total value of your numbers is ", Number
```

- (a) Identify the **four** errors in the pseudocode and suggest a correction for each error.

Error 1 .....

Correction .....

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Error 2 .....

Correction .....

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Error 3 .....

Correction .....

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Error 4 .....

Correction .....

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[4]

- (b) Describe how you could change the corrected algorithm to record and output how many positive numbers have been included in the final total.

You do **not** need to rewrite the algorithm.

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[4]