

The pseudocode on the right asks a user to enter a number.

While the user enters a number that is not zero, the following process is repeated:

if the number is negative, a variable posCount is incremented
If the number is positive, a variable negCount is incremented.
The user is then asked to enter the next number

Translate this PSEUDOCODE into PROGRAM CODE

pseudocode

```
negCount ← 0
posCount ← 0

OUTPUT "Enter a number"
INPUT num
WHILE num <> 0 DO
    IF num > 0 THEN
        posCount ← posCount + 1
    ELSE
        negCount ← negCount + 1
    END IF

    OUTPUT "Enter a number"
    INPUT num
END WHILE

OUTPUT "There are ",posCount," positive numbers."
OUTPUT "There are ",negCount," negative numbers"
```

Corrective maintenance

Test your code and fix any syntax errors that appear.

Adaptive maintenance 1

If the number of positive numbers is greater than the number of negative numbers, a message "Positives Rule!" is displayed. If the number of negatives is greater a message "Negatives Rule!" is displayed. Otherwise "Draw!" is displayed.

Adaptive maintenance 2

The final results are appended into a file, count.txt. Here are some sample entries:

Positive: 3 Negative: 4
Positive: 0 Negative: 2
Positive: 7 Negative: 1

Adapt your code.