



Question

A programmer has been asked to write a totalising program. It will ask for 5 numbers, outputting the running total each time the user enters a number.

Write an algorithm in pseudocode using a loop, which will perform the logic above.

Answer



Question

A programmer has been asked to write a totalising program. It will ask for 5 numbers, outputting the running total each time the user enters a number.

Write an algorithm in pseudocode using a loop, which will perform the logic above.

Answer

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:

- Create a total variable and initialise it at 0
- Start a loop which will iterate 5 times
- Inside the loop the:
 - Ask the user for a number and store it
 - Add the input to the total variable
 - Output the total variable

WHILE Loop Example:

```
total = 0
counter = 5
while counter != 0
    number = input("Enter number")
    total = total + number
    print(total)
    counter = counter - 1
endwhile
```

FOR Loop Example:

```
total = 0
for counter = 0 to 5
    number = input("Enter number")
    total = total + number
    print(total)
next counter
```