

Micro:bit Programming

A **variable** is a way of storing data in a computer program

Each **variable** has a name and can store a single value

Micro:bit Programming

Variable

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Using the **Python Editor**...

Write a program which counts how many times
button A has been clicked

Challenges:

1. Display the total clicks using button B
2. Set the count back to 0 using the accelerometer

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Here's an algorithm for how you could do this:

Set a variable called counter to 0

REPEAT FOREVER:

IF button A is clicked:

Add 1 to counter

IF button B is clicked:

Show the value of counter

Micro:bit Programming

```
1 # Button counter program
2 from microbit import *
3
4 counter = 0
5 while True:
6     if button_a.is_pressed():
7         counter = counter + 1
8     if button_b.is_pressed():
9         display.scroll(counter)
```

There is a problem with this program that you will need to fix

You can use the accelerometer to set counter back to 0