

STEP BY STEP

CHALLENGE

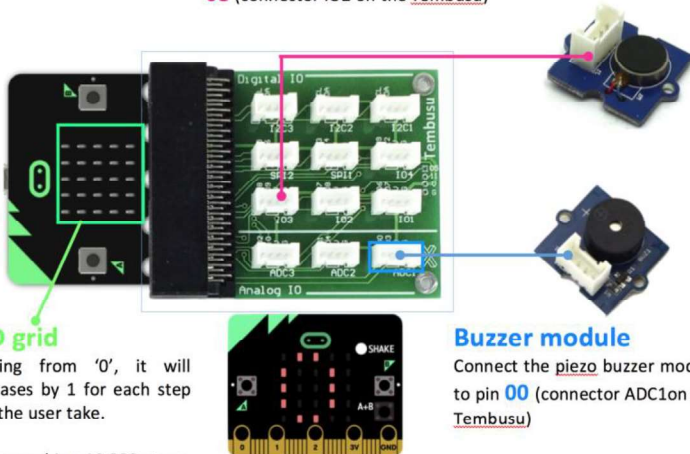
The accelerator in the micro:bit can be used to detect the orientation of the micro:bit and any shake. In this challenge, we will build our very own pedometer (step counter) to record the number of steps you walk in a day. As it is recommended that one person should walk at 10000 steps a day, this gadget will alert the user once the 10000-th step is taken.

Vibrating motor module
Connect the vibrating motor module to pin **08** (connector IO2 on the [Tembusu](#))

LED grid
Starting from '0', it will increase by 1 for each step that the user take.

Upon reaching 10,000 steps, the buzzer and vibrating motor will be activated.

Buzzer module
Connect the [piezo](#) buzzer module to pin **00** (connector ADC1 on the [Tembusu](#))



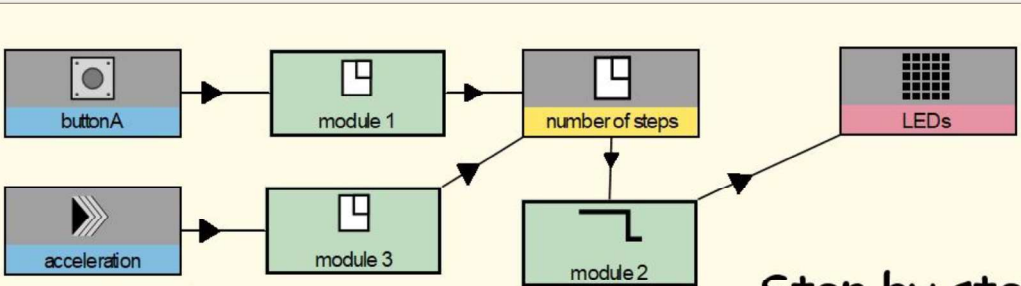
Insight MrBit - Untitled

File Edit View Help

module 1
When button A gets pressed, set number of steps to 0.

module 2
Show the LED message (number of steps) until the number of steps is greater than 9.
Show the LED message "Well done!" for 6.6 seconds.

module 3
When micro:bit is shaken, add 1 to number of steps.



Step by step

For Help, press F1

Design mode System view