COUNTDOWN TIMER

CHALLENGE
Timers are essential items that are useful to help us keep to specific pockets of time especially when we need to cook or doing something within a time limit. We can buy countdown timers off the shelf or we can build our own personalized version.

WHAT WILL HAPPEN?
Press the button A and B on the micro:bit to choose the number of seconds the timer would count down to. To begin, shake the Tembusu board to start the timer. Once the timer reaches 0, the buzzer will sound off until the timer is reset again.

LED grid
Will display the countdown value starting from increment of 15 seconds

Button A & B
Button A to increase while button B to decrease the timer values.

Buzzer module
Connect the piezo buzzer module to pin **08** (connector IO3 on the Tembusu)

module 1
    When button A gets pressed, add 1 to variable.
module 2
    When button B gets pressed, add 10 to variable.
module 3
    When micro:bit is shaken, repeat until the variable is equal to 0 or micro:bit is shaken.
    Wait for 1 second.
    Subtract 1 from variable.
module 4
    Show the LED message (variable) until exit.