Commands

motor(number,distance)

Moves the motor by x distance. Motor 0 is rotation, and it's units are degrees, positive is counter-clockwise, Motor 1 is vertical, and it's units are centimeters, positive is up

light()

Toggle the light

startLog()

Starts keeping data, resets the buffer if already keeping data.

endLog(filename)

saves current buffer to the file, and stops logging.

delay(ms)

Waits x milliseconds before executing the next command.

Note

These commands just fill up a queue. The entire program is run as soon as you hit go. This has few practical implications just something to keep in mind

Example

```
for(var i = 0; i < 360/5; i++){
    startLog()
    delay(10*1000)
    light()
    delay(20*1000)
    light()
    endLog("logs/"+i+".csv")
    motor(0,5)
}
```

This program would spin the magnetic field through a full 360 degrees in 5 degree increments. At each 5 degree increments it records data for 30 seconds, 10 of which the light is off and 20 of which it is on. It saves this data to the folder "logs" in the executable's directory and names each dataset by the current number of the incrementing variable, i.