Lighting project pseudocode

# ESU

Object LEDProgramme() {

Int startTime;

Int endTime;

Int weather; (if 0 no weather functionality, 1 if rainy, 2 if sunny etc.)

Int array brightness;

}

Object MotorProgramme(){

Int startTime;

Int endTime;

Int weather; (if 0 no weather functionality, 1 if rainy, 2 if sunny etc.)

Int array motorspeed;

}

Object LEDReact(){

Int sensorAttached;

Int array brightness;

}

Object MotorReact(){

Int array motorspeed;

}

Void setup(){

Int LEDspeed = first line in txt file

While going through txt file{

If (line is LEDReact) {create LEDReact object}

If (line is LEDprogramme) {create LEDprogramme object}

If (line is MotorReact) {create MotorReact object}

If (line is Motorprogramme) {create Motorprogramme object}

}

}

Void loop (){

Start timer for 1 minute

If sensor detects movement{

Add LED/Motor to ongoing reaction sequence

}

Check programmed objects for start time that equals current time{

Add LED/Motor to ongoing program sequence

}

NumberOfIterations = 60/ LEDspeed

For loop (NumberOfIterations){

For each object I have to calculate what number in the sequence it is (using reminders) then set that led to correct brightness according to the array.

}

Remove all of the objects in reactive sequence

}