LAB 7

2/05/2023

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#define led0 8
#define led2 2
#define led4 4
#define led6 6

unsigned long time_now = 0;
int delay_time1 = 333;
int delay_time2 = 200;
int delay_time3 = 143;
int delay_time4 = 91;
int delay_time5 = 1000;
int contador = 0;
boolean led0Status = HIGH;
boolean led2Status = HIGH;
boolean led4Status = HIGH;
boolean led6Status = HIGH;
unsigned long alarm1 = 0;
unsigned long alarm2 = 0;
unsigned long alarm3 = 0;
unsigned long alarm4 = 0;
unsigned long alarm5 = 0;

void setup() {
 Serial.begin(9600);
 pinMode(led0, OUTPUT);
 pinMode(led2, OUTPUT);
 pinMode(led4, OUTPUT);
 pinMode(led6, OUTPUT);
 }

void loop() {
contador++;
time_now = millis();

if (time_now >= alarm1){
  alarm1 += delay_time1;
  digitalWrite(led0, led0Status);
  led0Status = !led0Status;
 }
 if (time_now >= alarm2){
  alarm2 += delay_time2;
  digitalWrite(led2, led2Status);
  led2Status = !led2Status;
 }
 if (time_now >= alarm3){
  alarm3 += delay_time3;
```

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  digitalWrite(led4, led4Status);
  led4Status = !led4Status;
 }
 if (time_now >= alarm4){
  alarm4 += delay_time4;
  digitalWrite(led6, led6Status);
  led6Status = !led6Status;
 }
if (time_now >= alarm5) {
  alarm5 += delay_time5;
  Serial.println ( contador );
  contador = 0;
  }
}
```