// Código Ejemplo

int Led\_Pin = 3;

int Fot\_Pin = A0;

int Int\_Pin = 2;

int sensorValue = 0;

int inputValue = 0;

int counter = 0;

// Limites Invierno

int start1 = 18;

int stop1 = 24;

// Limites Verano

int start2 = 20;

int stop2 = 1;

void setup()

{

Serial.begin(9600);

pinMode(Led\_Pin, OUTPUT);

pinMode(Int\_Pin, INPUT); }

void loop()

{ // Lectura Digital

inputValue = digitalRead(Int\_Pin);

if (inputValue == HIGH)

{ Serial.println("Led: Encendido");

digitalWrite(Led\_Pin, 1);

}

else

{

if(counter >= start1)

{

// Lectura Analógica

sensorValue = analogRead(Fot\_Pin);

if(sensorValue < 600)

{

Serial.println("Led: Encendido");

digitalWrite(Led\_Pin, 1);

}

else

{ Serial.println("Led: Apagado");

digitalWrite(Led\_Pin, 0);

}

}

else

{

Serial.println("Led: Apagado");

digitalWrite(Led\_Pin, 0);

}

}

counter++;

Serial.print("Hora: ");

Serial.println(counter);

if (counter == 24)

{

counter =0;

}

delay(500); }