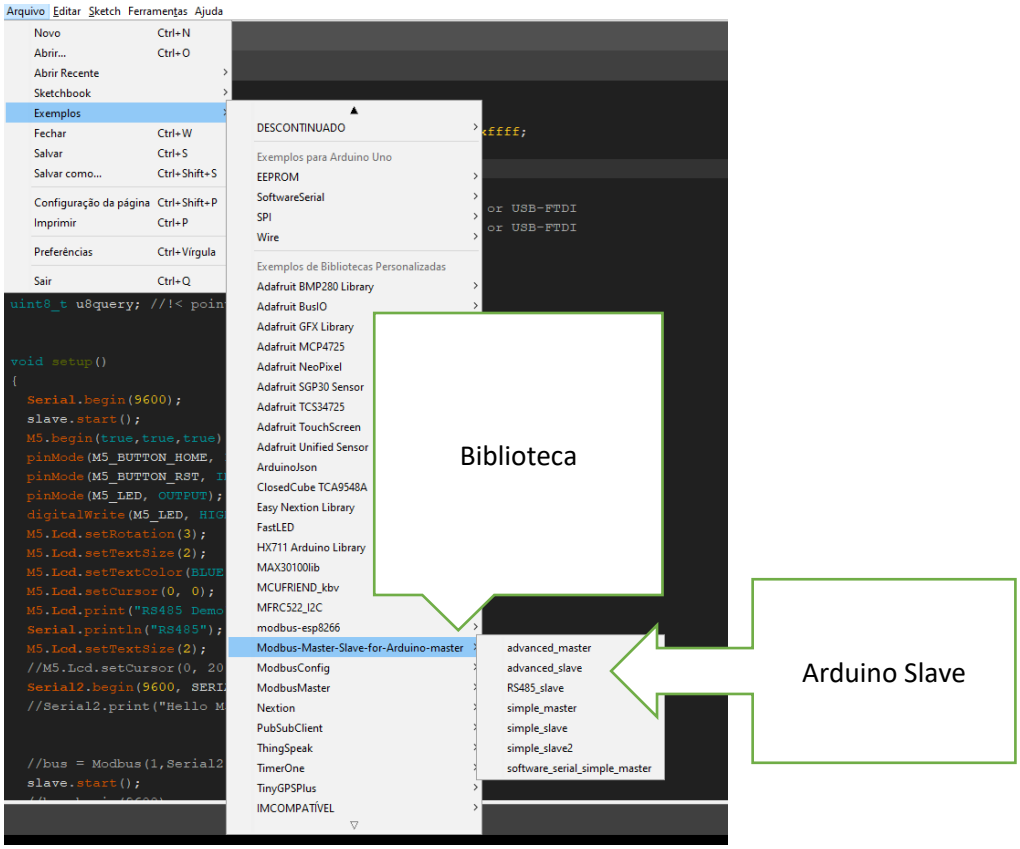
Configuração Avançada Arduino Modbus

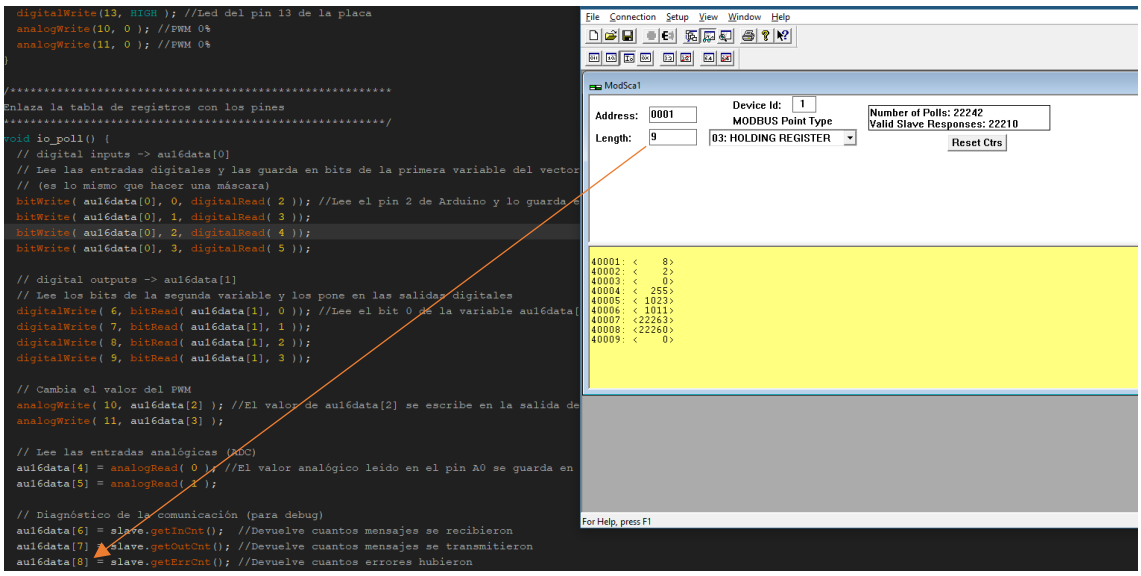
Copiar biblioteca e abrir os exemplos

https://github.com/fabiotimbo/Programas/blob/master/SCADA/Arduino%20Slave/RS485_slave/Modbus-Master-Slave-for-Arduino-master.zipx



Abrir programa modscan32 para ser o mestre

Registros Modbus



40001 – Entradas digitais

Valor do registro: pin5.2^3 + pin4.2^2 + pin3.2^1 + pin2.2^0

Pinos 2,3,4 e 5

```
bitWrite( au16data[0], 0, digitalRead( 2 )); //L
bitWrite( au16data[0], 1, digitalRead( 3 ));
bitWrite( au16data[0], 2, digitalRead( 4 ));
bitWrite( au16data[0], 3, digitalRead( 5 ));
```

40002 -Saídas digitais

Valor do registro: pin9.2^3 + pin8.2^2 + pin7.2^1 + pin6.2^0

Pinos 6,7,8 e 9

```
digitalWrite( 6, bitRead( au16data[1], 0 )); //Lee el bit 0 d
digitalWrite( 7, bitRead( au16data[1], 1 ));
digitalWrite( 8, bitRead( au16data[1], 2 ));
digitalWrite( 9, bitRead( au16data[1], 3 ));
```

40003/40004 – Entradas analógicas

Pinos 04 e 05

```
// Lee las entradas analógicas (ADC)
au16data[4] = analogRead( 0 ); //El valor analógi
au16data[5] = analogRead( 1 );
```

40005/40006 – Saídas analógicas

Pinos 10 e 11

```
// Cambia el valor del PWM
analogWrite( 10, au16data[2] ); //El
analogWrite( 11, au16data[3] );
```

Configuração SCADA