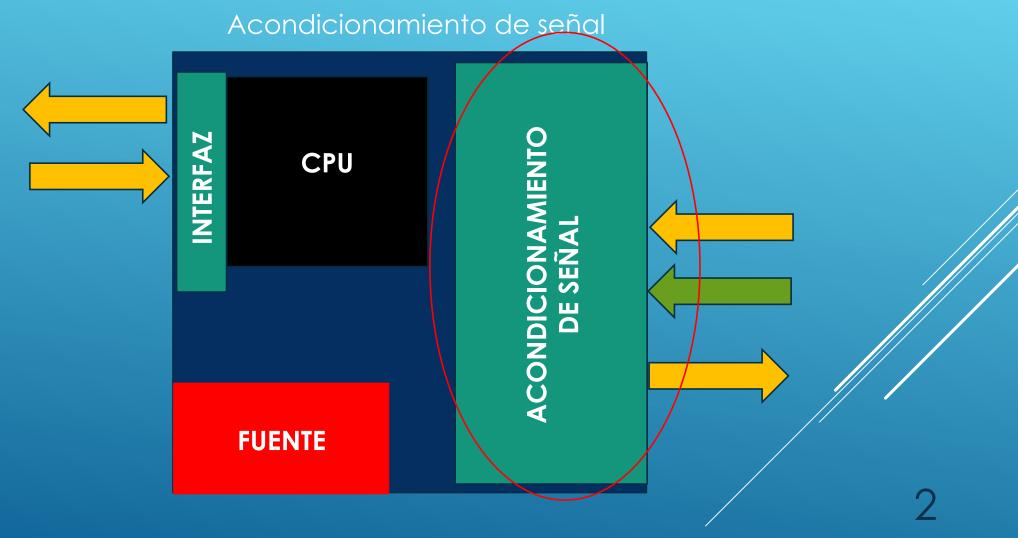
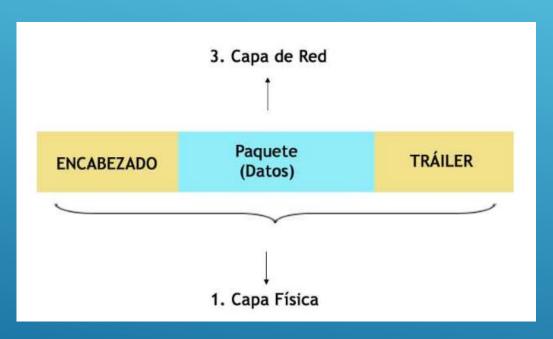
TECNICAS DIGITAL III

Clase IV

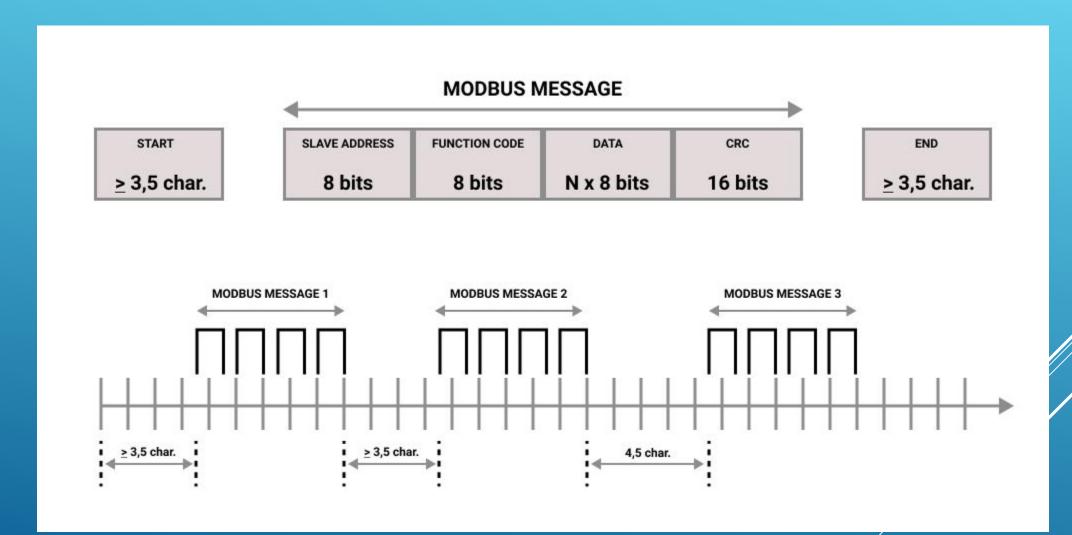


Instrumento virtual TDIII 2023

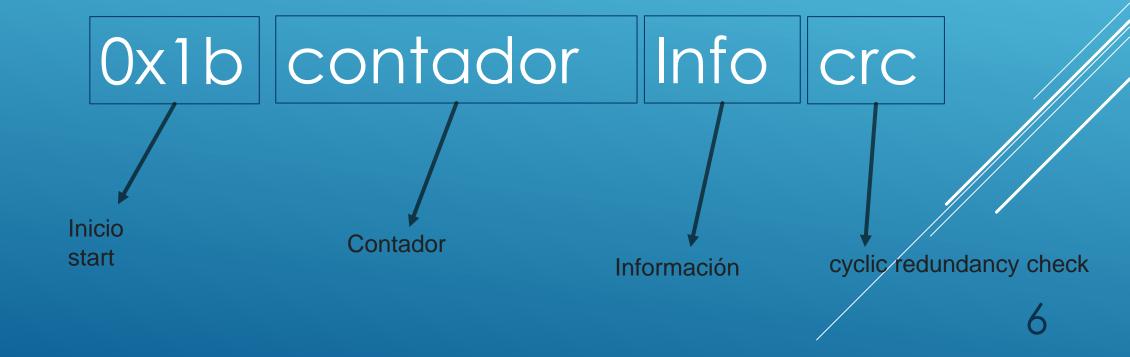
Parámetros de selección				
Cantidad mínima de canales analógicos de entrada				
Cantidad mínima de canales analógicos de salida	2			
Rango de entrada analógico canal 1-7.	0/10V			
Rango de entrada analógico canal 8	±5			
Rango de salida analógica	0/10V			
Entradas y salidas digitales.	8/8			
Frecuencia de muestra entradas/salidas digitales.	1Khz			
Frecuencia de muestra entradas analógicas.	Xxx			
Tipos de entradas.	Single – ended			
Tensión de salida / entrada Digital	0- 5V			
Precisión de la conversión.	12 bits			







Instrumento Virtual Trama de datos



Instrumento Virtual Inicio (start)

Byte cabecera de ejemplo

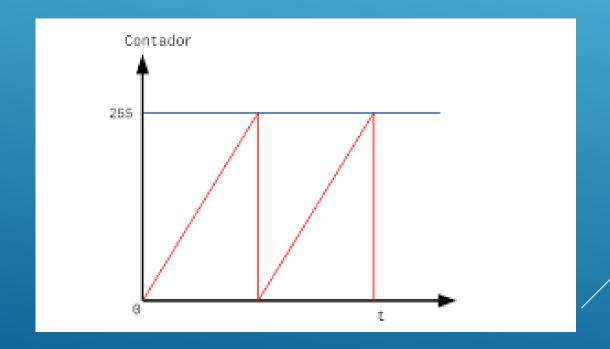
0x1b

00011011

Instrumento Virtual Contador

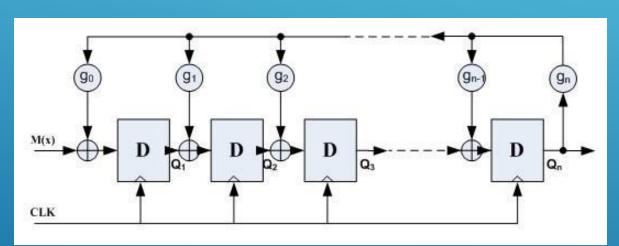
contador

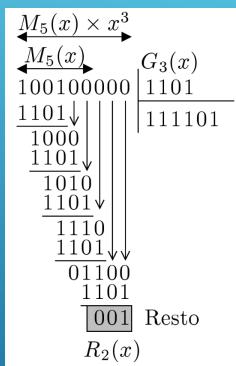


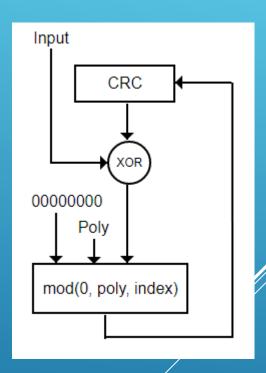


Instrumento Virtual Información

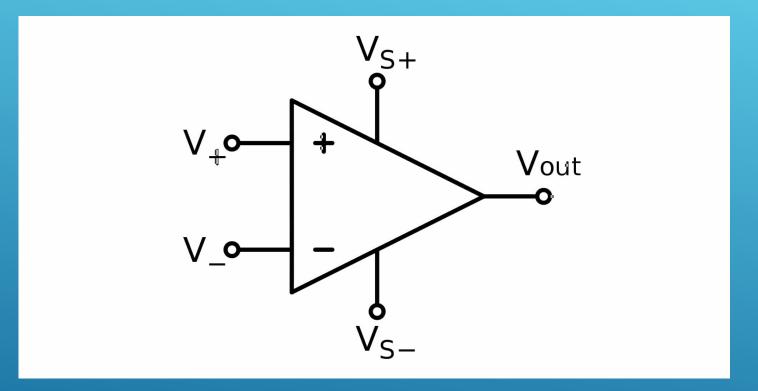
LBDF000000000000000000000FEDA1BE000000000000000000000FEDA1BE1000000000000000000FEDA1BE200000000000000000000000 0000000000000FFDA1B460000000000000000000FDA1B4700000000000000000FFDA1B4800000000000000000000FFDA1B4900000000000000000000 000000FFDA1B8A00000000000000000000000FFDA1B8B000000000000000000FFDA1B8C000000000000000000000FFDA1B8D000000000000000000000FFDA 00FFDA1BAC000000000000000000000FFDA1BAD000000000000000000000FFDA1BAF00000000000000000FDA1BAF0000000000000000000000FFDA1BB0 DA1BCE000000000000000000000FEDA1BCF00000000000000000000FEDA1BD00000000000000000000FEDA1BD100000000000000000000F F00000000000000000000000FEDA1BF100000000000000000000FEDA1BF200000000000000000000FEDA1BF3000000000000000000000FEDA1BF400000000 000000000000000FEDA1B35000000000000000000000FEDA1B3600000000000000000000FEDA1B37000000000000000000000FEDA1B3800000000000000000000 00000000FFDA1B790000000000000000000000FFDA1B7A000000000000000000FFDA1B7B000000000000000000000FFDA1B7C0000000000000000000000FF 0000FFDA1B9B000000000000000000000FFDA1B9C000000000000000000000FFDA1B9D00000000000000000000FFDA1B9F000000000000000000000FFDA1B FEDA1BBD000000000000000000000FEDA1BBE00000000000000000000FEDA1BBF0000000000000000000000FEDA1BC000000000000000000000FEDA1BC100 00000000000000000000FEDA1B0200000000000000000000FEDA1B0300000000000000000FEDA1B040000000000000000000FEDA1B05000000000 0000000 FDA1B8A000000000000000000000000FEDA1B8B000000000000000000000FEDA1B8C0000000000000000000000FEDA1B8D000000000000000000000FEDA 00FEDA1BAC000000000000000000000FEDA1BAD000000000000000000000FEDA1BAE000000000000000000000FEDA1BAF00000000000000000000FEDA1BB0 DA1BCE000000000000000000000FEDA1BCF00000000000000000000FEDA1BD00000000000000000000FEDA1BD100000000000000000000FEDA1BD20000 F00000000000000000000000FEDA1BF100000000000000000000FEDA1BF20000000000000000000FEDA1BF3000000000000000000000FEDA1BF400000000 00000000000000FEDA1B350000000000000000000FEDA1B3600000000000000000000FEDA1B370000000000000000000FEDA1B3800000000000000000000 00000000FEDA1B790000000000000000000000FEDA1B7A000000000000000000FEDA1B7B000000000000000000000FEDA1B7C000000000000000000000FE 0000 FEDA1B9B00000000000000000000000FEDA1B9C00000000000000000000000FEDA1B9D0000000000000000000000FEDA1B9E00000000000000000000FEDA1B





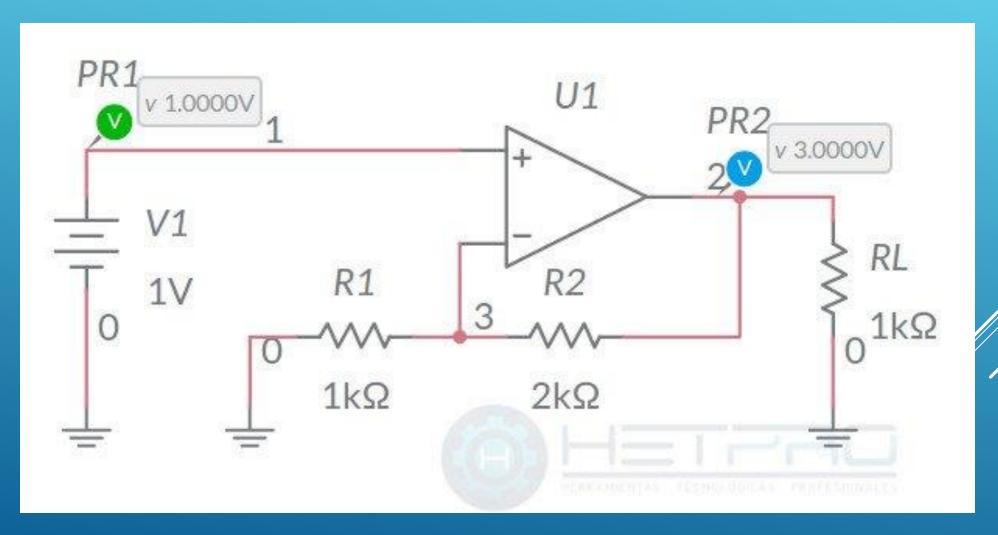


Acondicionamiento de señal

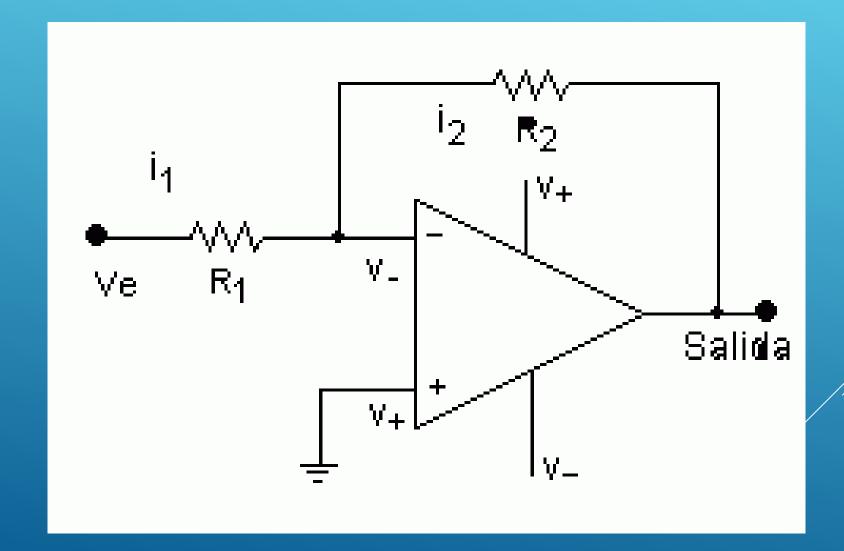


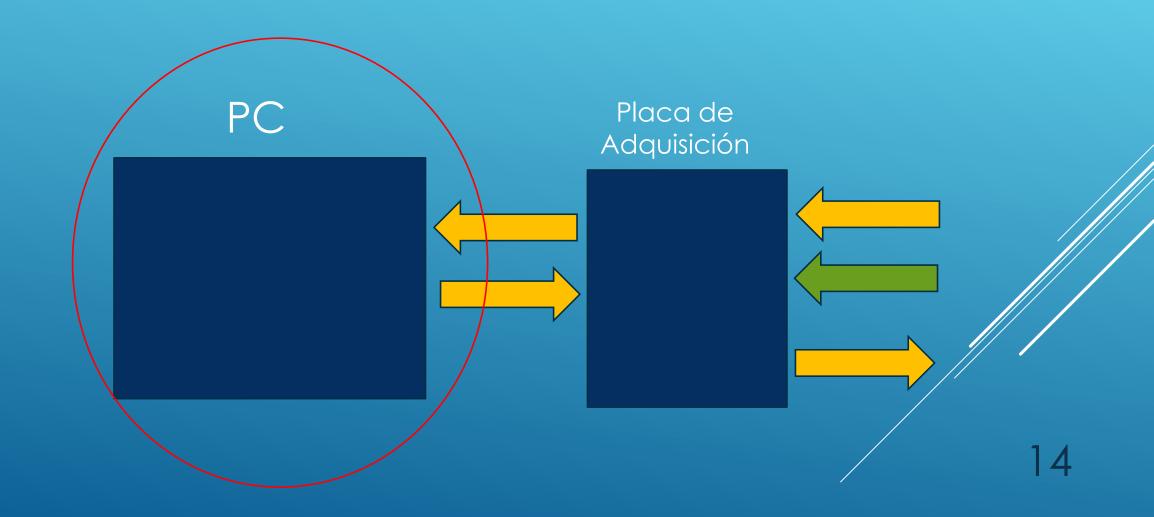
Impedancia de entrada. Impedancia de salida. Ganancia.

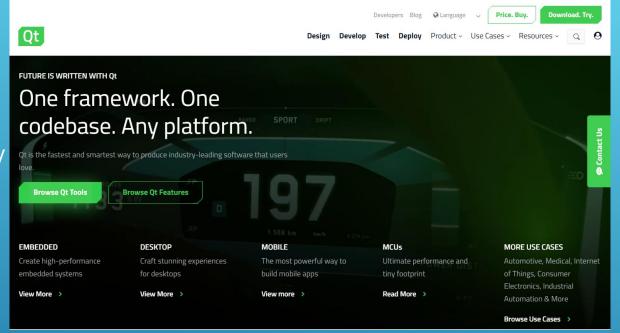
Acondicionamiento de señal



Acondicionamiento de señal

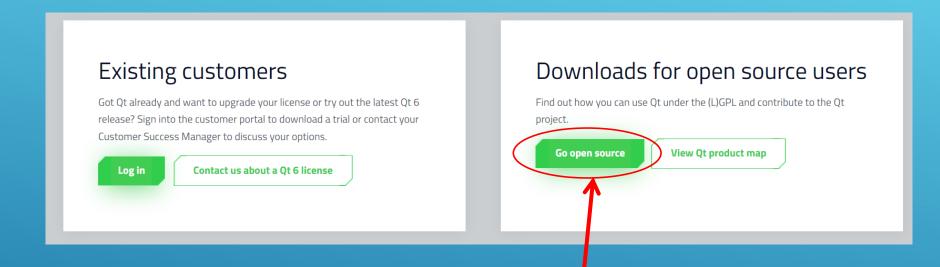




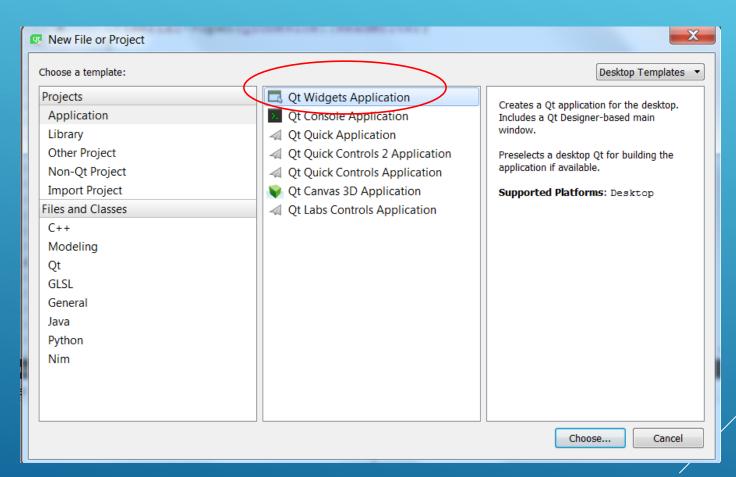


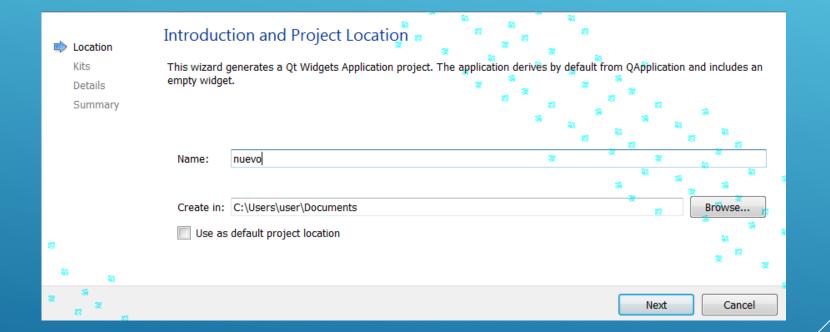
https://www.qt.io/





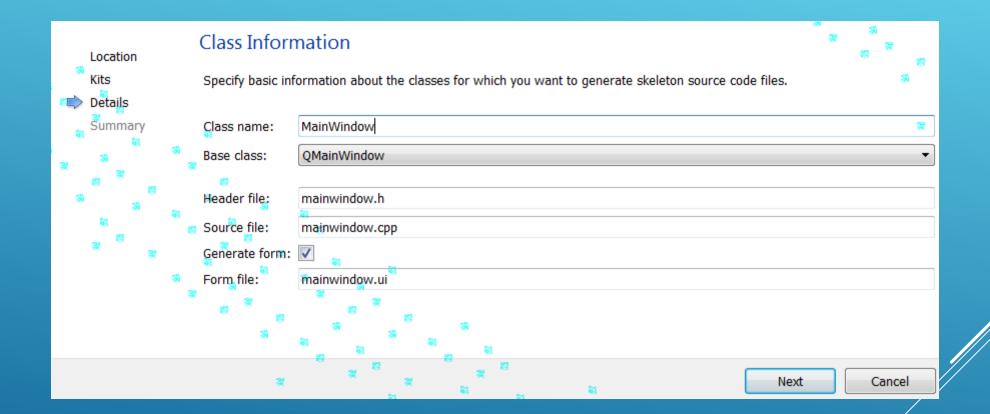
Crear una aplicación

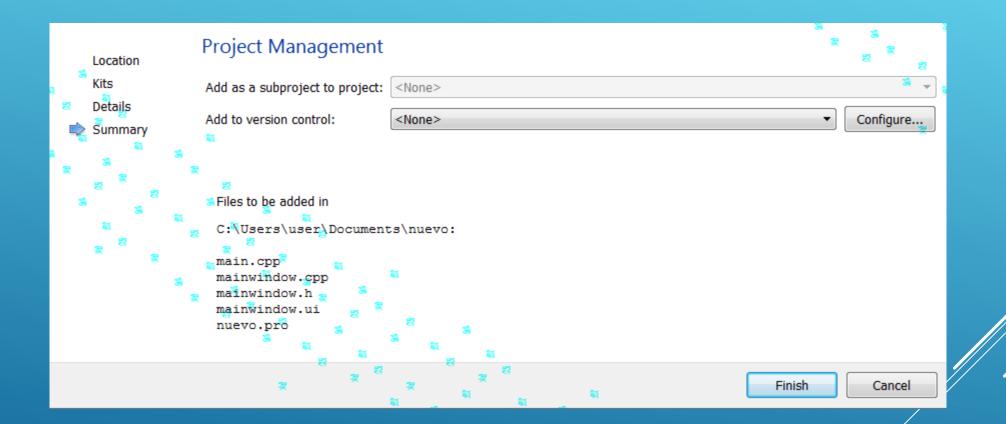




Q†







Q† Resultado

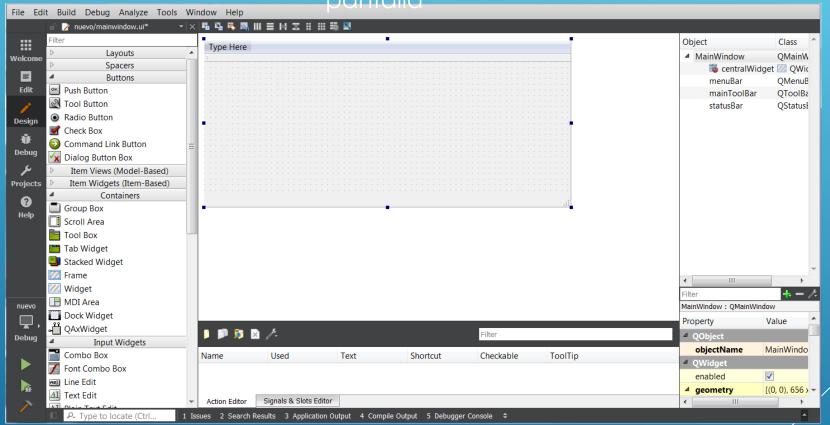
```
Projects ▼ ▼. ⇔ 🗄 ( ) 📶
                              nuevo/mainwindow.cpp
                                                   ▼ | × | 	MainWindow::~MainWindow()
                                                                                                                               ▼ # Line: 15, Col: 1
      △ 🖟 nuevo
                              #include "mainwindow.h"
 ##
                              #include "ui mainwindow.h"
           nuevo.pro
Welcome
        MainWindow::MainWindow(QWidget *parent) :
 Sources
                                   QMainWindow(parent),
        Forms
 Edit
                                   ui(new Ui::MainWindow)
                           6 4
                          7 {
                          8
                                   ui->setupUi(this);
                          9 }
                         11 / MainWindow::~MainWindow()
                         12 {
                                   delete ui;
Projects
                         14
                         15
 0
Help
 P. Type to locate (Ctrl.
                             1 Issues 2 Search Results 3 Application Output 4 Compile Output 5 Debugger Console 💠
```

```
⊿ ‰ nuevo
                               #include "mainwindow.h"
#include "ui_mainwindow.h"
     a nuevo.pro
  ▶ J Headers
                               MainWindow::MainWindow(QWidget *parent) :
                                    QMainWindow(parent),
ui(new Ui::MainWindow)

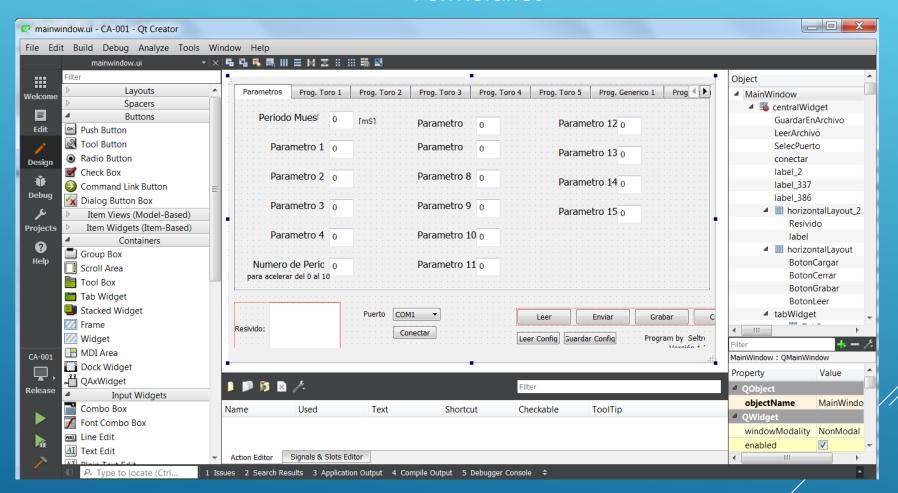
■ V Forms

       mainwindow.ui
                          8 9 }
                                    ui->setupUi(this);
                         11 / MainWindow::~MainWindow()
                         12 {
                                    delete ui;
                         14 }
                         15
```

Diseño de pantalla



Q† Formularios



Qt o1 - Microsoft Word Change text... Change objectName... Códigos en C++ Morph into Change toolTip... Change whatsThis... X Change styleSheet... Go to slot ro 3 Prog. Toro 4 Size Constraints Select signal etro o Layout Alignment QAbstractButton clicked() Promote to ... tro o QAbstractButton clicked(bool) Go to slot... pressed() QAbstractButton tro 8 o Send to Back QAbstractButton released() Bring to Front tro 9 o Cancel & Cut Ctrl+X Copy Copy Ctrl+C tro 10 o 5) Pinte tro 11 o Select Ancestor Ctrl+A Select All Delete Lay out Program by Seltn Leer Config Guardar Config void MainWindow::on_BotonLeer_clicked() QByteArray data; data[0]='0'; procesarDato(COMADO_LEER, data);

Programa en ejecución

Parametros Prog. Toro 1	Prog. Toro 2	Prog. Toro 3	Prog. Toro 4	Prog. Toro 5	Prog. Generico 1	Prog 4
Periodo Muest 0	[mS]	Parametro	0	Parame	tro 12 ₀	
Parametro 1 0		Parametro	0	Parame	etro 13 ₀	
Parametro 2 0		Parametro 8	0	Parame	etro 14 ₀	
Parametro 3 0		Parametro 9	0	Parame	etro 15 ₀	
Parametro 4 0		Parametro 1	0 0			
Numero de Peric 0 para acelerar del 0 al 10		Parametro 1	10			
Resivido:	Puerto COM	11 ▼ nectar	Le	Leer Envi		Cerrar am by Seltri Versión 1.2