

# Program: “AddingTwoNumbers”

Simple Program created with the  
Qt 4.8.5 plug-in for Visual Studio 2008  
to make the sum of two numbers

In order to create the project files of Visual Studio and Qt,  
please see the instructions of the “Hello World!” program

Soma - Microsoft Visual Studio

File Edit View Qt VAssistX Project Build

Solution Explorer - Soma

Solution 'Soma' (1 project)

- Soma
  - Form Files
    - soma.ui
  - Generated Files
  - Header Files
    - soma.h
  - Resource Files
  - Source Files
    - main.cpp
    - soma.cpp

Qt Designer

File Edit Form View Settings Window Help

Widget Box

Filter

- Widget
- MdiArea
- Dock Widget
- QAxWidget
- Input Widgets
  - Combo Box
  - Font Combo Box
  - Line Edit
  - Text Edit
  - Plain Text Edit
  - Spin Box
  - Double Spin Box
  - Time Edit
  - Date Edit
  - Date/Time Edit
  - Dial
  - Horizontal...roll Bar
  - Vertical Scroll Bar
  - Horizontal Slider
  - Vertical Slider
- Display Widgets
  - Label
  - Text Browser
  - Graphics View
  - Calendar

Soma - soma.ui

Type Here

Object Inspector

Object	Class
SomaClass	QMainWindow
centralWidget	QWidget
menuBar	QMenuBar
mainToolBar	QToolBar
statusBar	QStatusBar

Property Editor

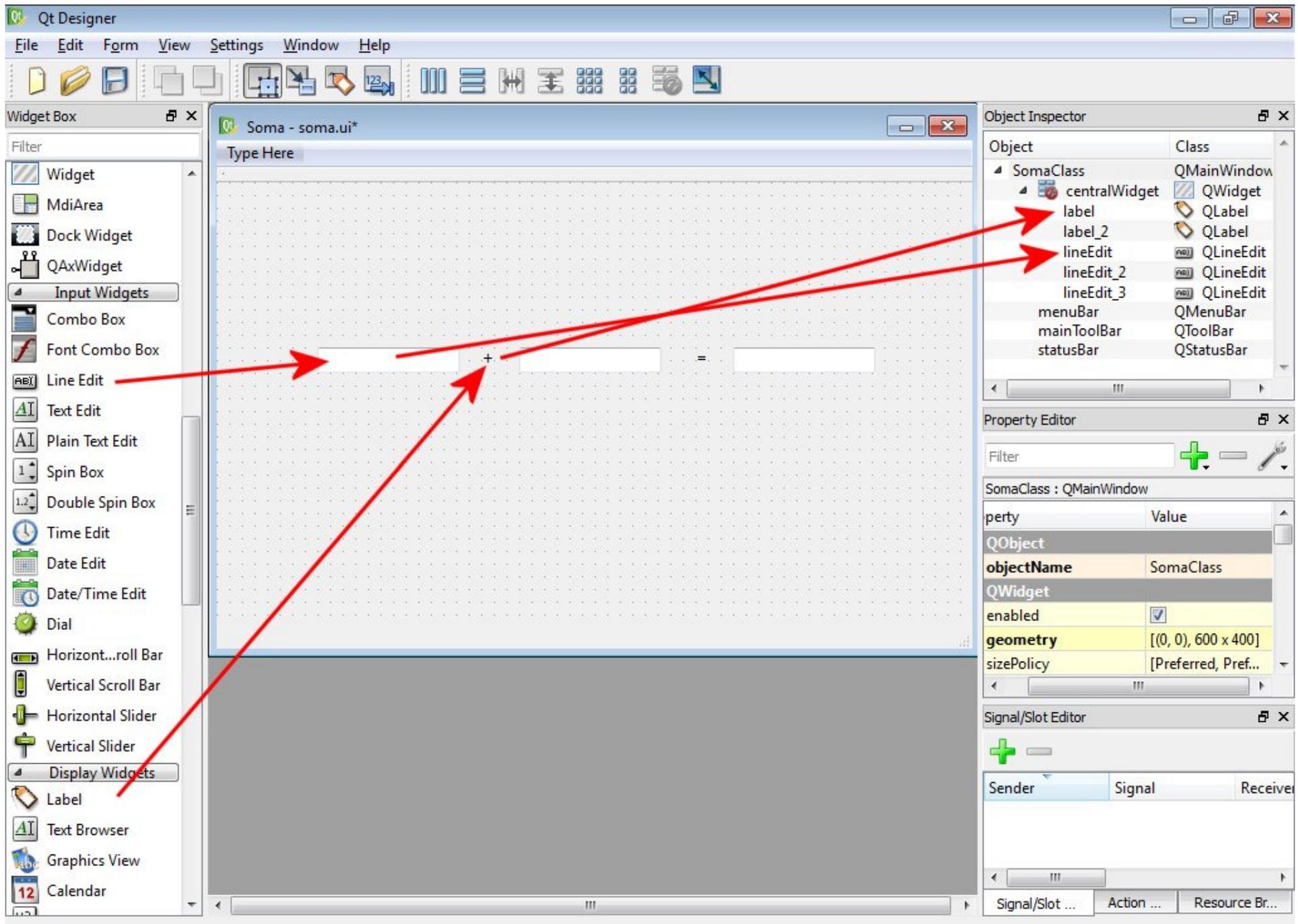
Filter

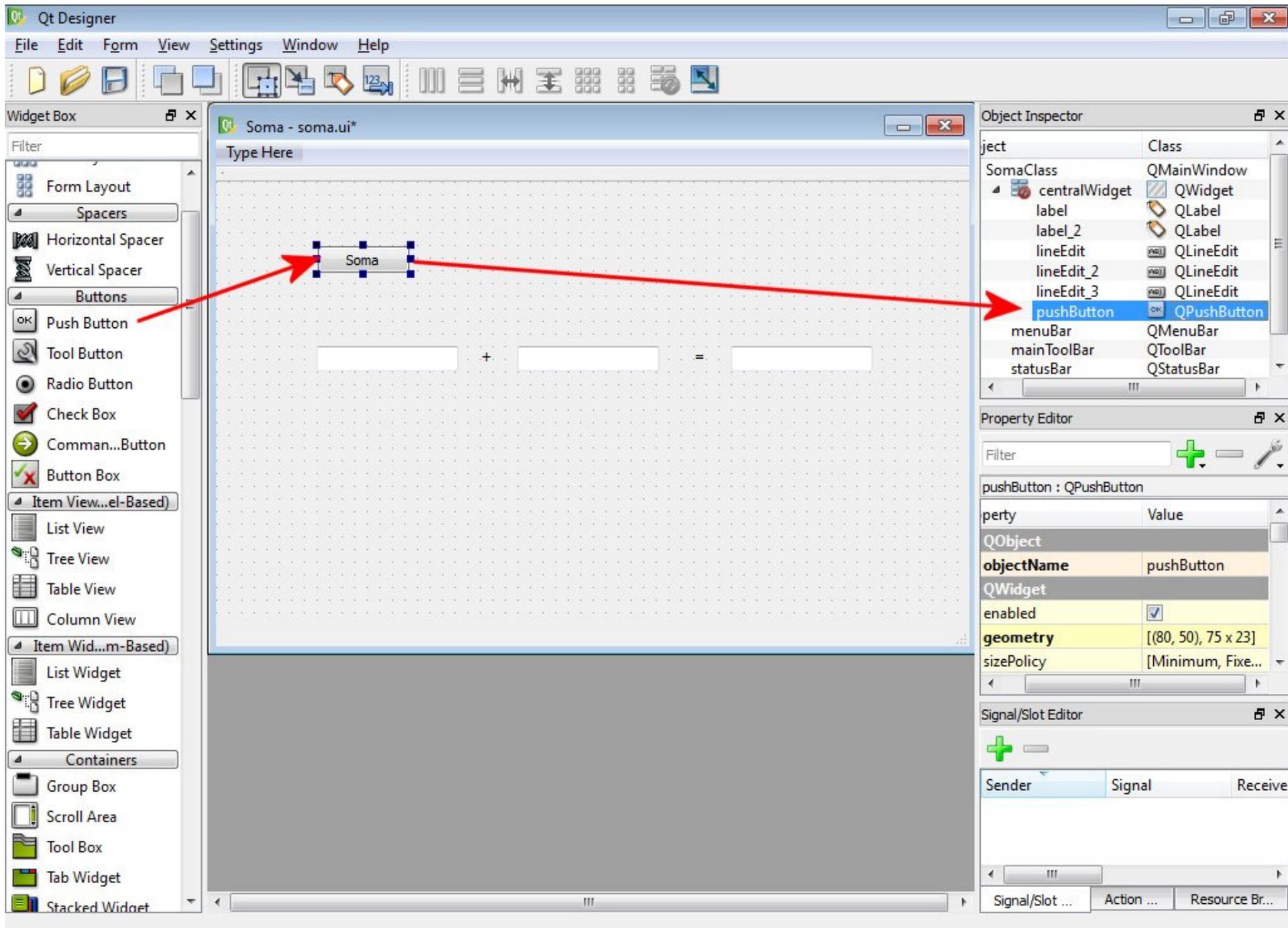
SomaClass : QMainWindow

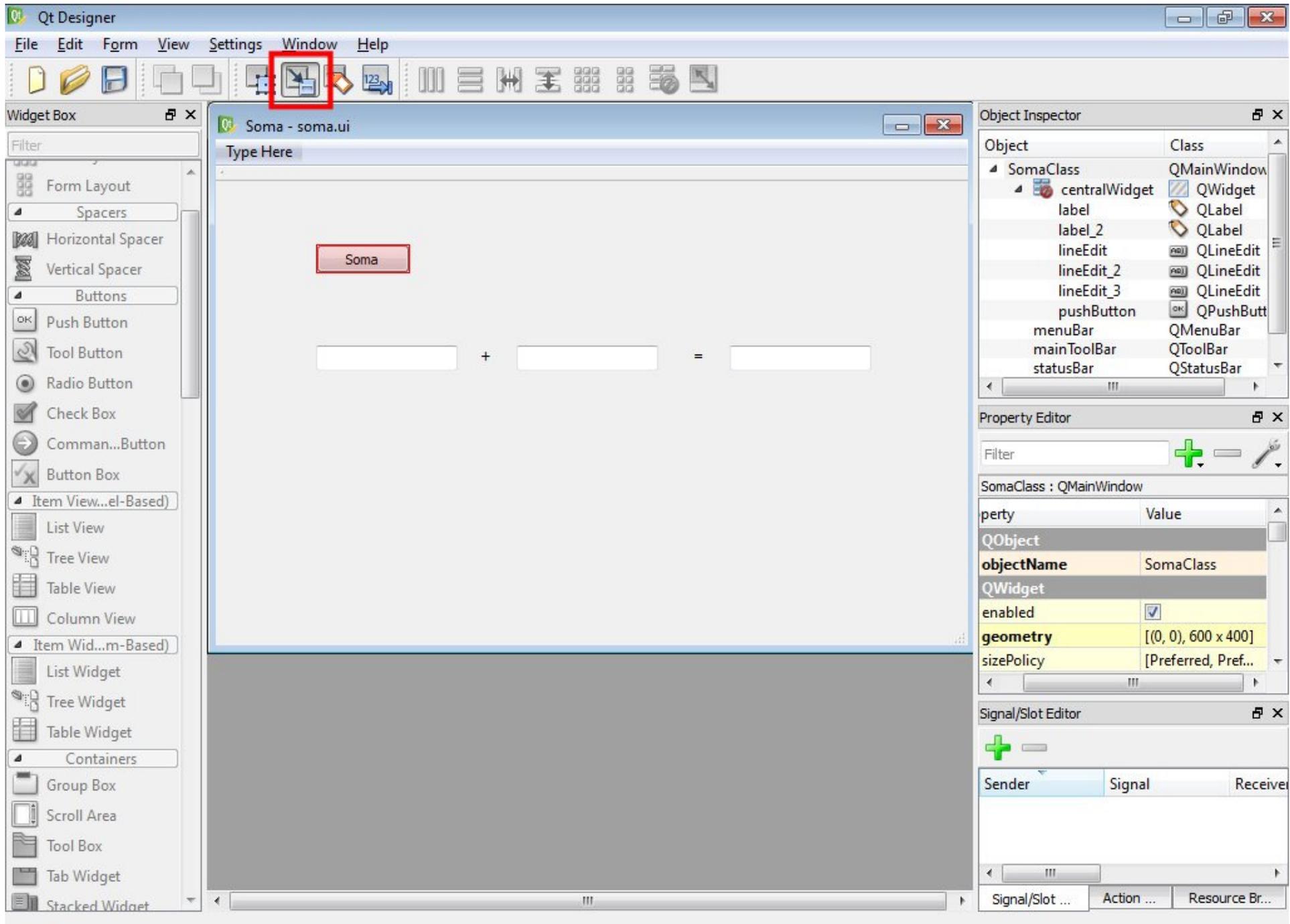
Property	Value
QObject	
objectName	SomaClass
QWidget	
windowModality	NonModal
enabled	<input checked="" type="checkbox"/>
geometry	[(0, 0), 600 x 400]

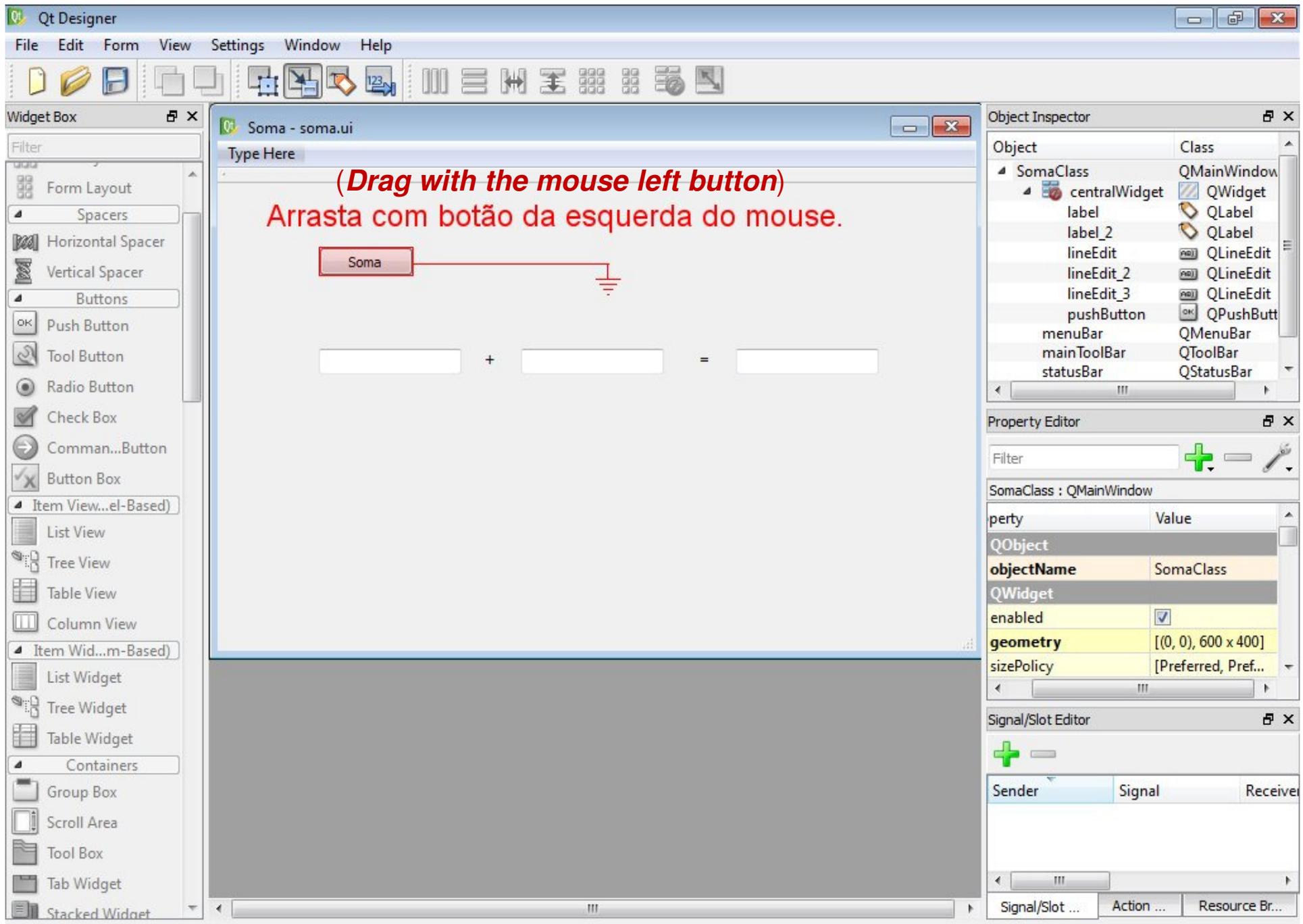
Signal/Slot Editor

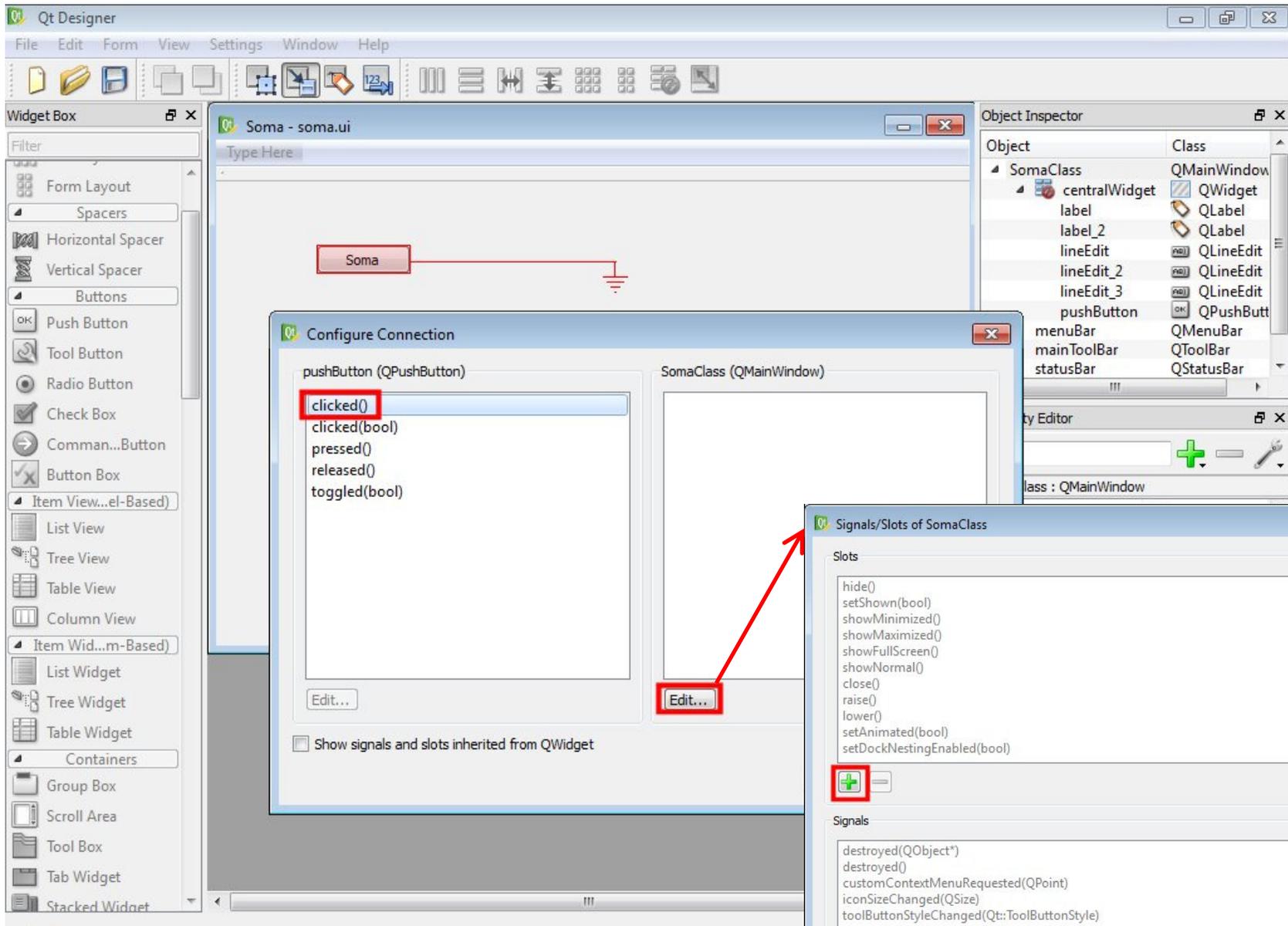
Sender	Signal	Receiver

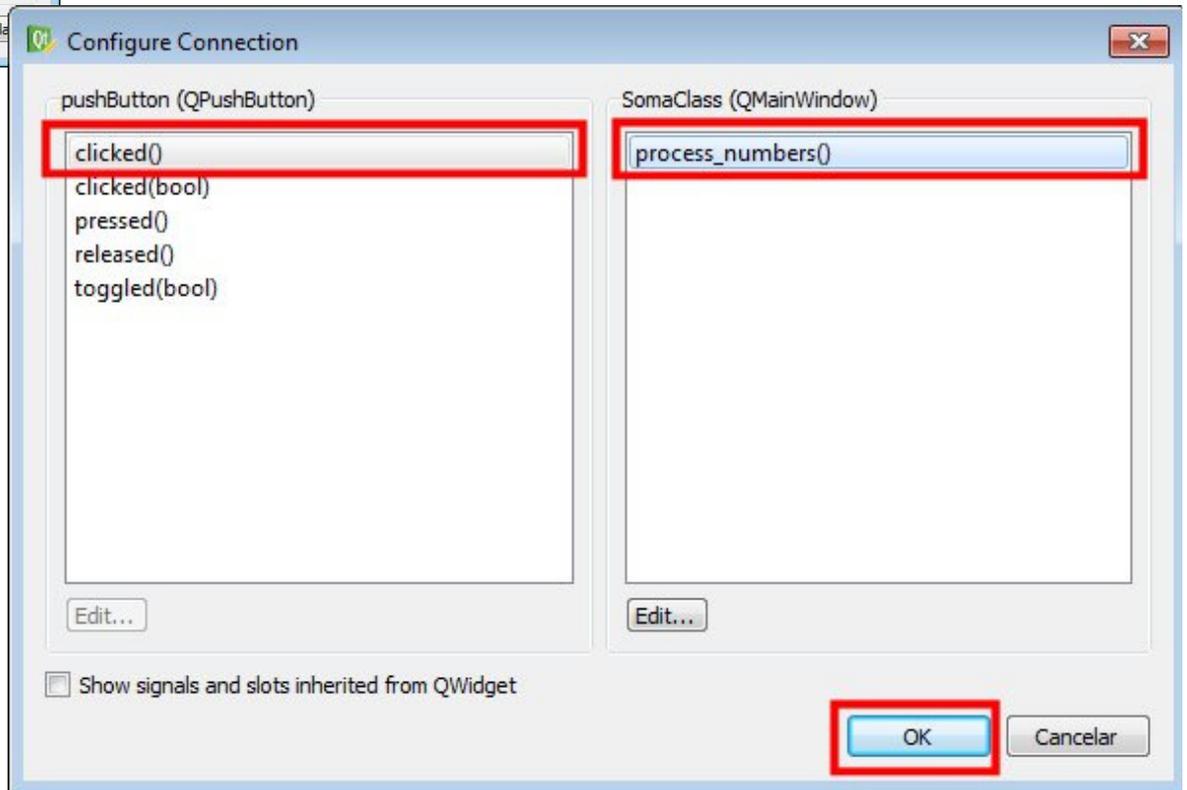
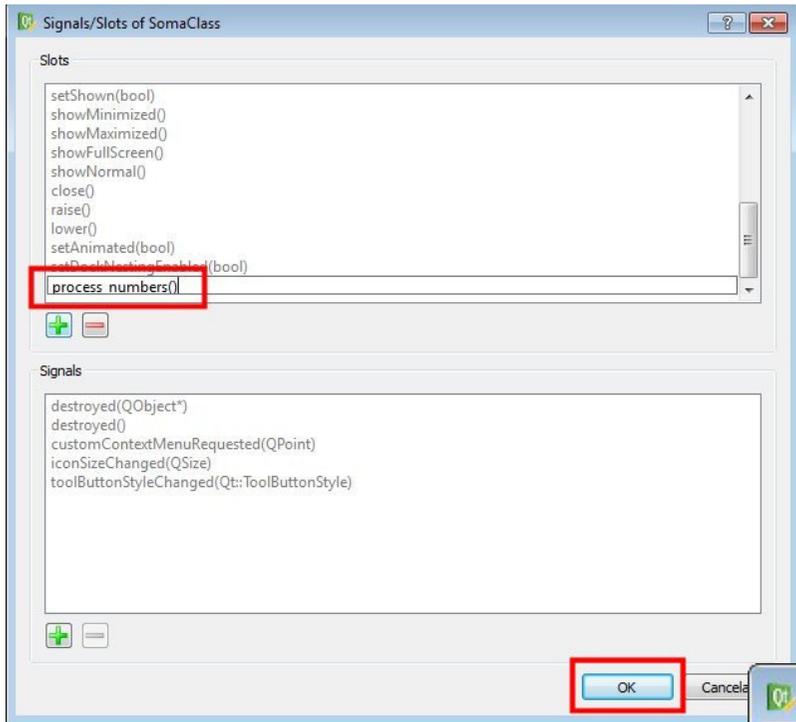


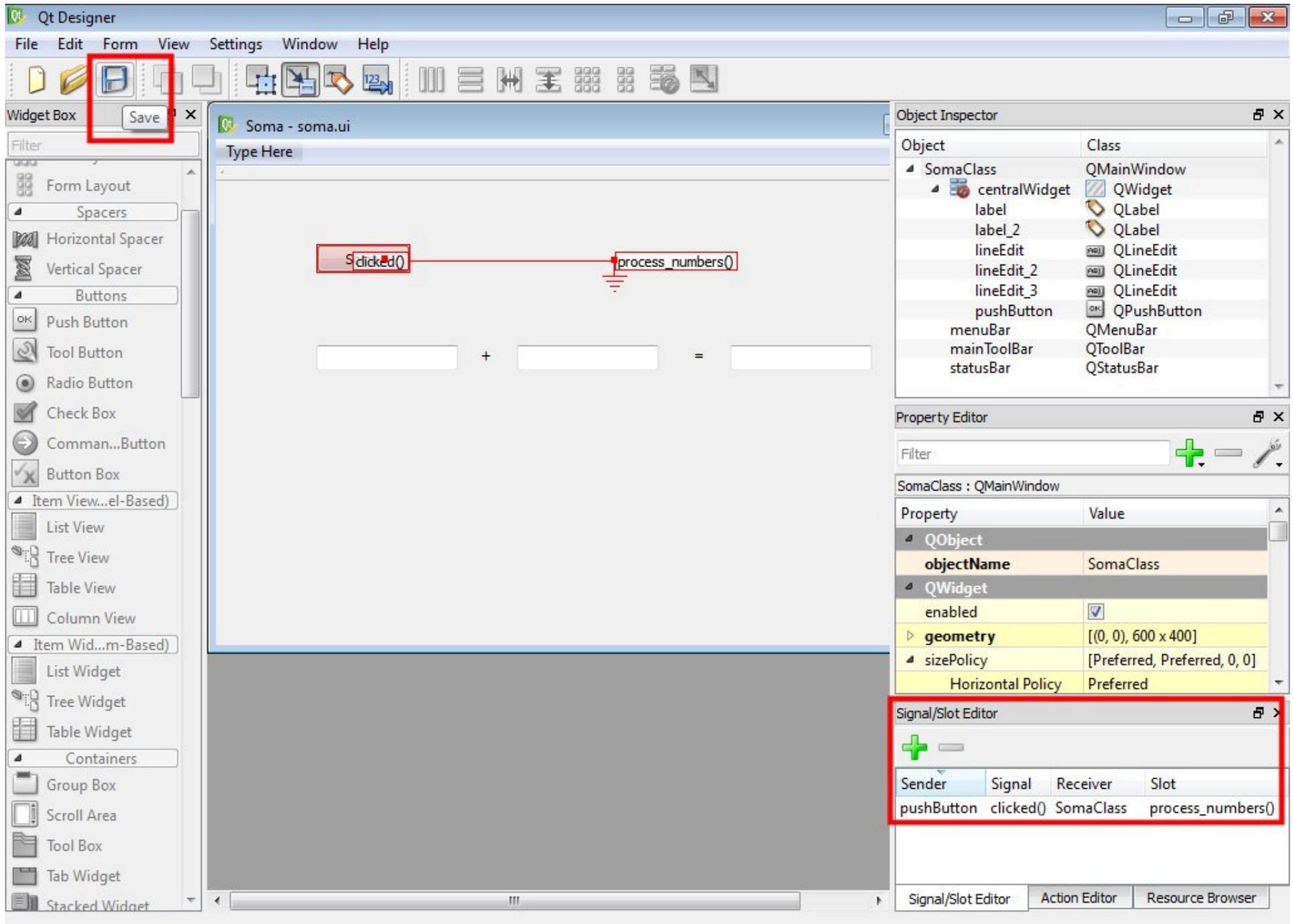


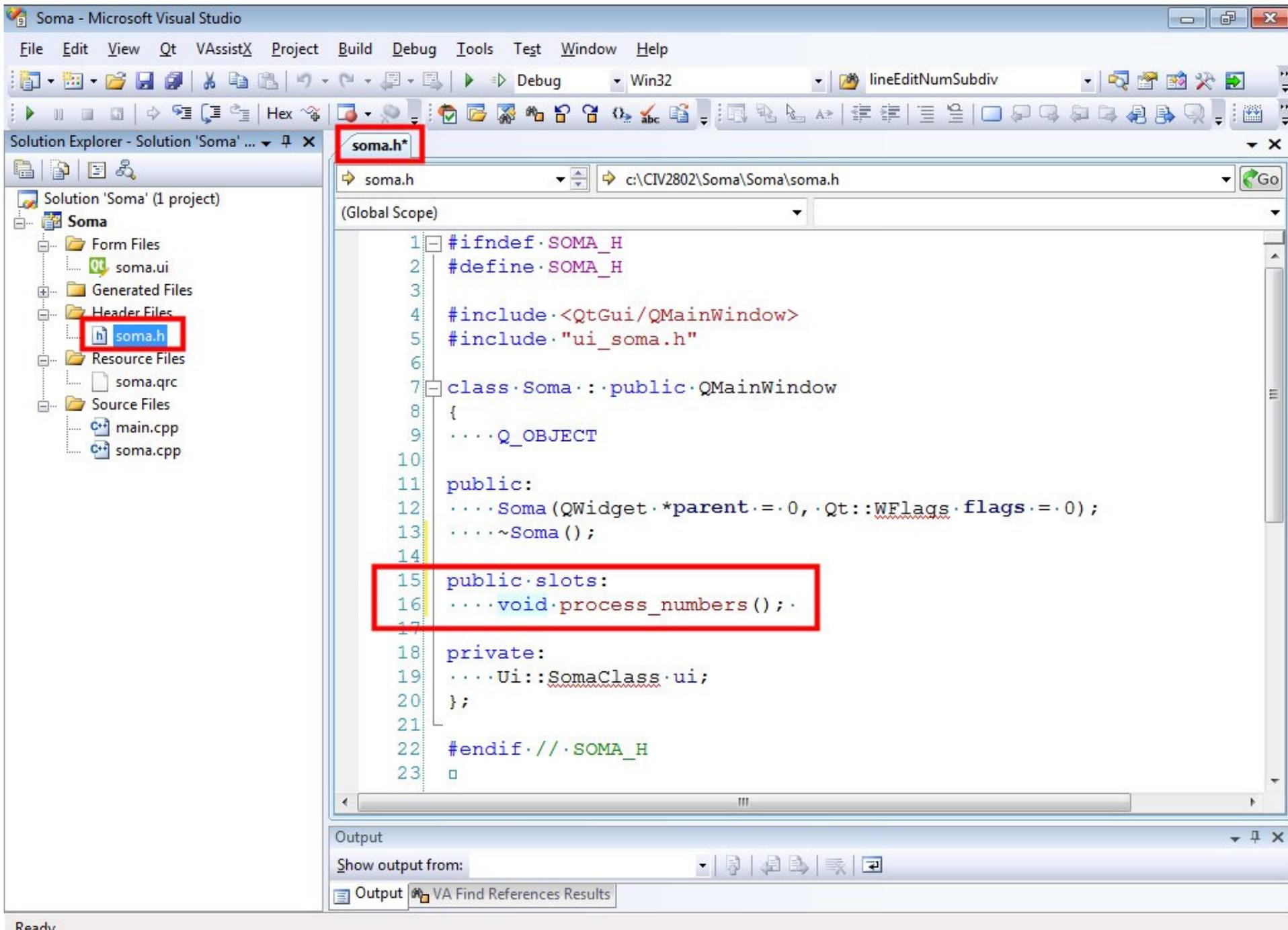


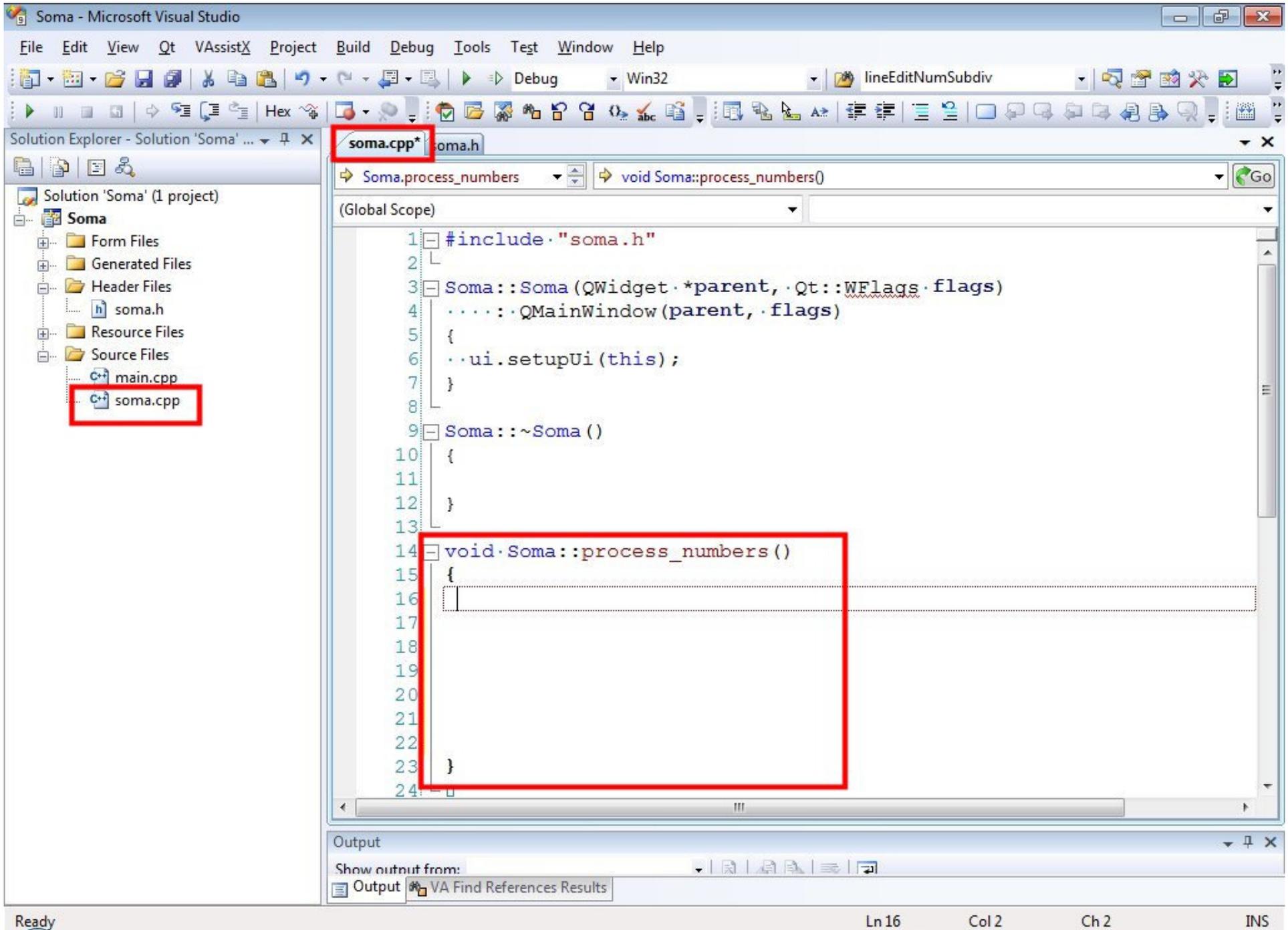


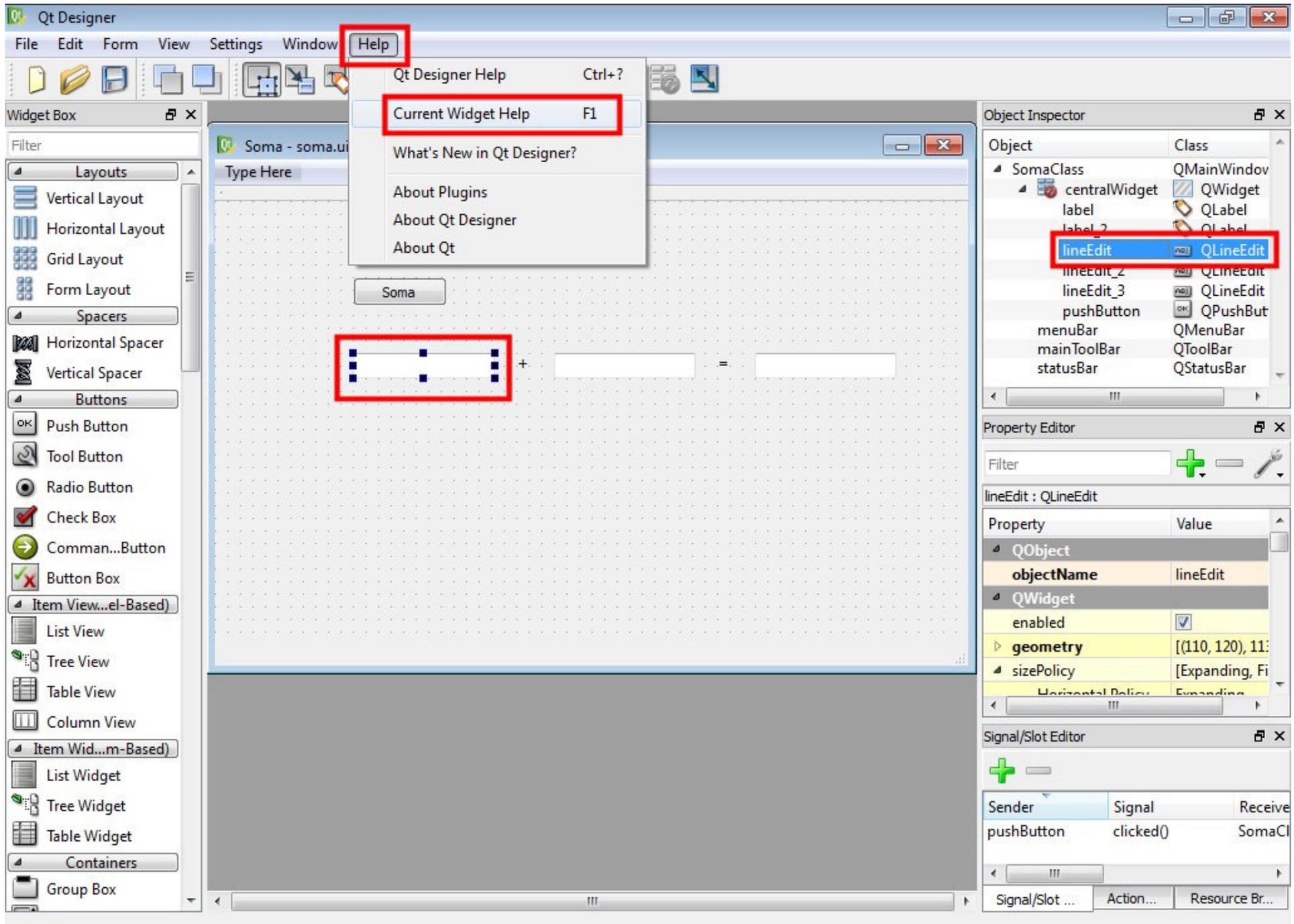


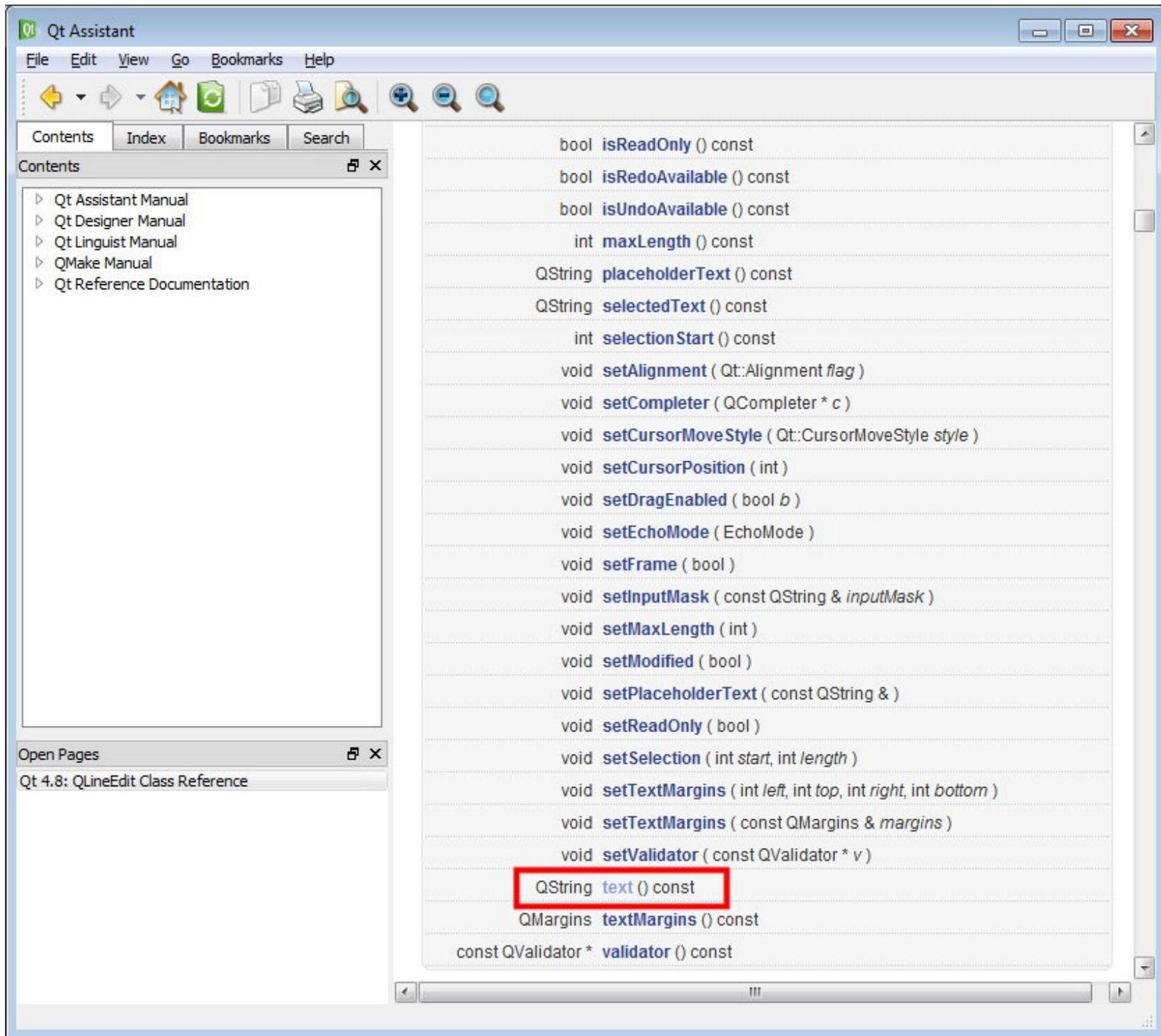












Qt Assistant

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Look for:

**QString**

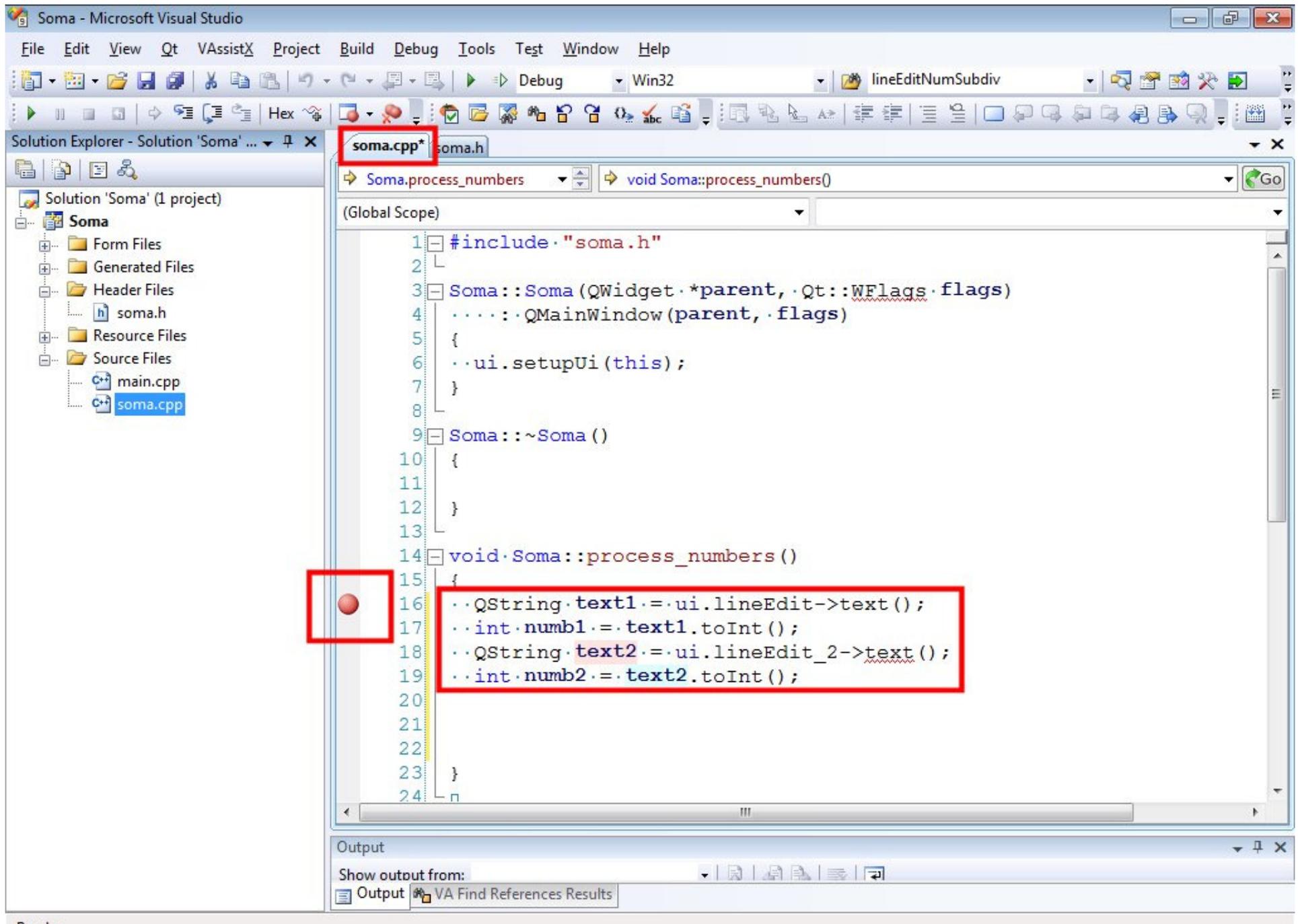
**QString**

- QString::const\_iterator
- QString::const\_reference
- QString::ConstIterator
- QString::Iterator
- QString::iterator
- QString::KeepEmptyParts
- QString::NormalizationForm
- QString::NormalizationForm\_C
- QString::NormalizationForm\_D
- QString::NormalizationForm\_KC
- QString::NormalizationForm\_KD
- QString::reference
- QString::SectionCaseInsensitiveSepts
- QString::SectionDefault
- QString::SectionFlag
- QString::SectionFlags
- QString::SectionIncludeLeadingSep
- QString::SectionIncludeTrailingSep
- QString::SectionSkipEmpty
- QString::SkipEmptyParts
- QString::SplitBehavior

Open Pages

Qt 4.8: QString Class Reference

```
bool startsWith ( const QString & s, Qt::CaseSensitivity cs = Qt::CaseSensitive ) const
bool startsWith ( const QLatin1String & s, Qt::CaseSensitivity cs = Qt::CaseSensitive ) const
bool startsWith ( const QChar & c, Qt::CaseSensitivity cs = Qt::CaseSensitive ) const
bool startsWith ( const QStringRef & s, Qt::CaseSensitivity cs = Qt::CaseSensitive ) const
void swap ( QString & other )
QByteArray toAscii () const
QString toCaseFolded () const
double toDouble ( bool * ok = 0 ) const
float toFloat ( bool * ok = 0 ) const
int toInt ( bool * ok = 0, int base = 10 ) const
QByteArray toLatin1 () const
QByteArray toLocal8Bit () const
long toLong ( bool * ok = 0, int base = 10 ) const
qulonglong toLongLong ( bool * ok = 0, int base = 10 ) const
QString toLower () const
short toShort ( bool * ok = 0, int base = 10 ) const
std::string toStdString () const
std::wstring toStdWString () const
uint toUInt ( bool * ok = 0, int base = 10 ) const
ulong toULong ( bool * ok = 0, int base = 10 ) const
qulonglong toULongLong ( bool * ok = 0, int base = 10 ) const
ushort toUShort ( bool * ok = 0, int base = 10 ) const
QVector<uint> toUcs4 () const
QString toUpper () const
```



Qt Assistant

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Look for:

**QString**

**QString**

- QString::const\_iterator
- QString::const\_reference
- QString::ConstIterator
- QString::Iterator
- QString::iterator
- QString::KeepEmptyParts
- QString::NormalizationForm
- QString::NormalizationForm\_C
- QString::NormalizationForm\_D
- QString::NormalizationForm\_KC
- QString::NormalizationForm\_KD
- QString::reference
- QString::SectionCaseInsensitiveSeps
- QString::SectionDefault
- QString::SectionFlag
- QString::SectionFlags
- QString::SectionIncludeLeadingSep
- QString::SectionIncludeTrailingSep
- QString::SectionSkipEmpty
- QString::SkipEmptyParts
- QString::SplitBehavior
- QString::value\_type
- QStringList

Open Pages

Qt 4.8: QString Class Reference

QString & **replace** ( QChar c, const QLatin1String & after, Qt::CaseSensitivity cs = Qt::CaseSensitive )

QString & **replace** ( const QRegExp & rx, const QString & after )

void **reserve** ( int size )

void **resize** ( int size )

QString **right** ( int n ) const

QString **rightJustified** ( int width, QChar fill = QLatin1Char( ' ' ), bool truncate = false ) const

QStringRef **rightRef** ( int n ) const

QString **section** ( QChar sep, int start, int end = -1, SectionFlags flags = SectionDefault ) const

QString **section** ( const QString & sep, int start, int end = -1, SectionFlags flags = SectionDefault ) const

QString **section** ( const QRegExp & reg, int start, int end = -1, SectionFlags flags = SectionDefault ) const

**QString & setNum** ( int n, int base = 10 )

QString & **setNum** ( uint n, int base = 10 )

QString & **setNum** ( long n, int base = 10 )

QString & **setNum** ( ulong n, int base = 10 )

QString & **setNum** ( qulonglong n, int base = 10 )

QString & **setNum** ( qulonglong n, int base = 10 )

QString & **setNum** ( short n, int base = 10 )

QString & **setNum** ( ushort n, int base = 10 )

QString & **setNum** ( double n, char format = 'g', int precision = 6 )

QString & **setNum** ( float n, char format = 'g', int precision = 6 )

QString & **setRawData** ( const QChar \* unicode, int size )

QString & **setUnicode** ( const QChar \* unicode, int size )

QString & **setUtf16** ( const ushort \* unicode, int size )

QString **simplified** () const

Qt Assistant

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Look for:

**QLineEdit**

QLineEdit

QLineEdit::EchoMode  
QLineEdit::NoEcho  
QLineEdit::Normal  
QLineEdit::Password  
QLineEdit::PasswordEchoOnEdit  
~QLineEdit

Open Pages

Qt 4.8: QLineEdit Class Reference

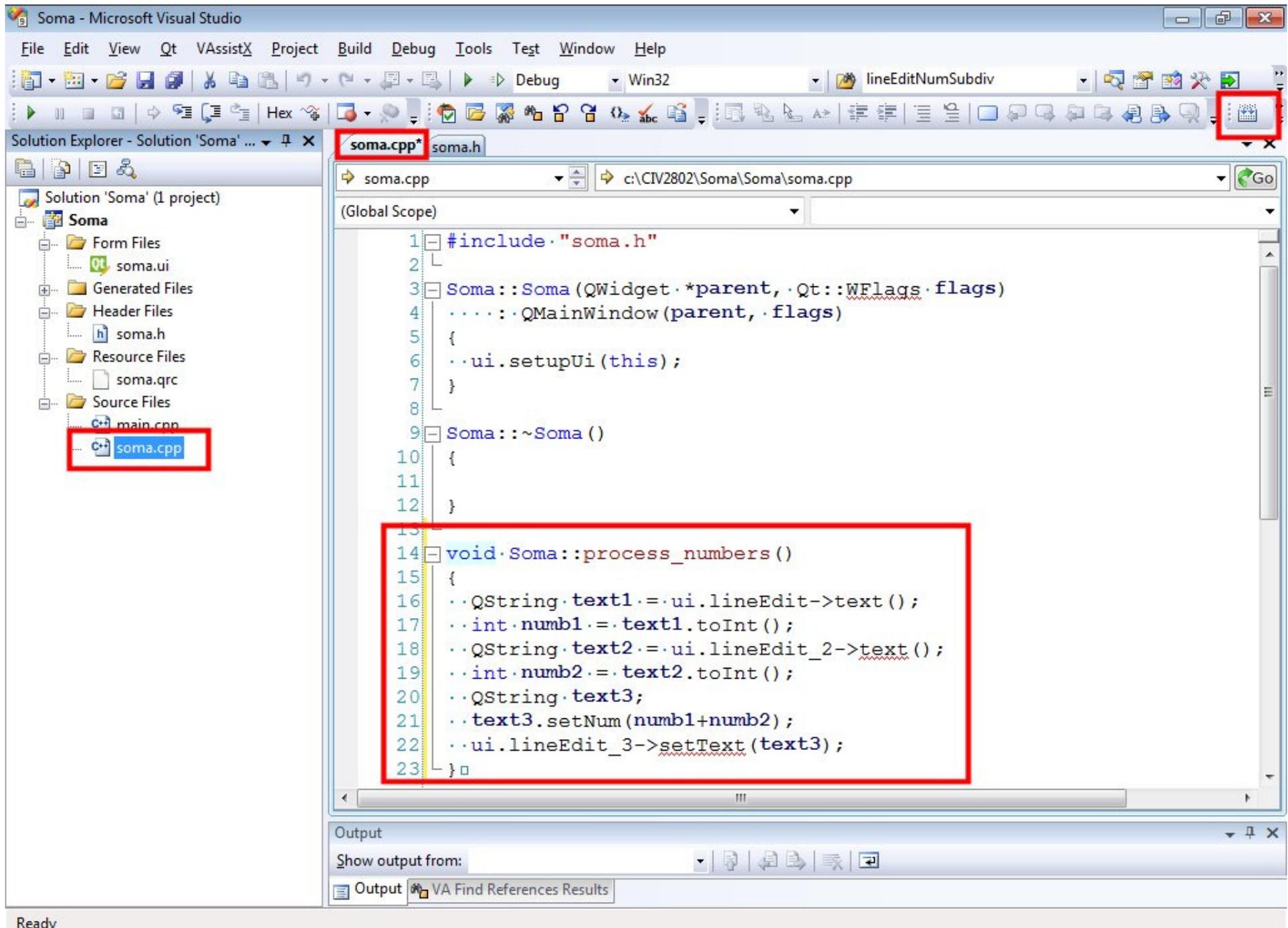
## Public Slots

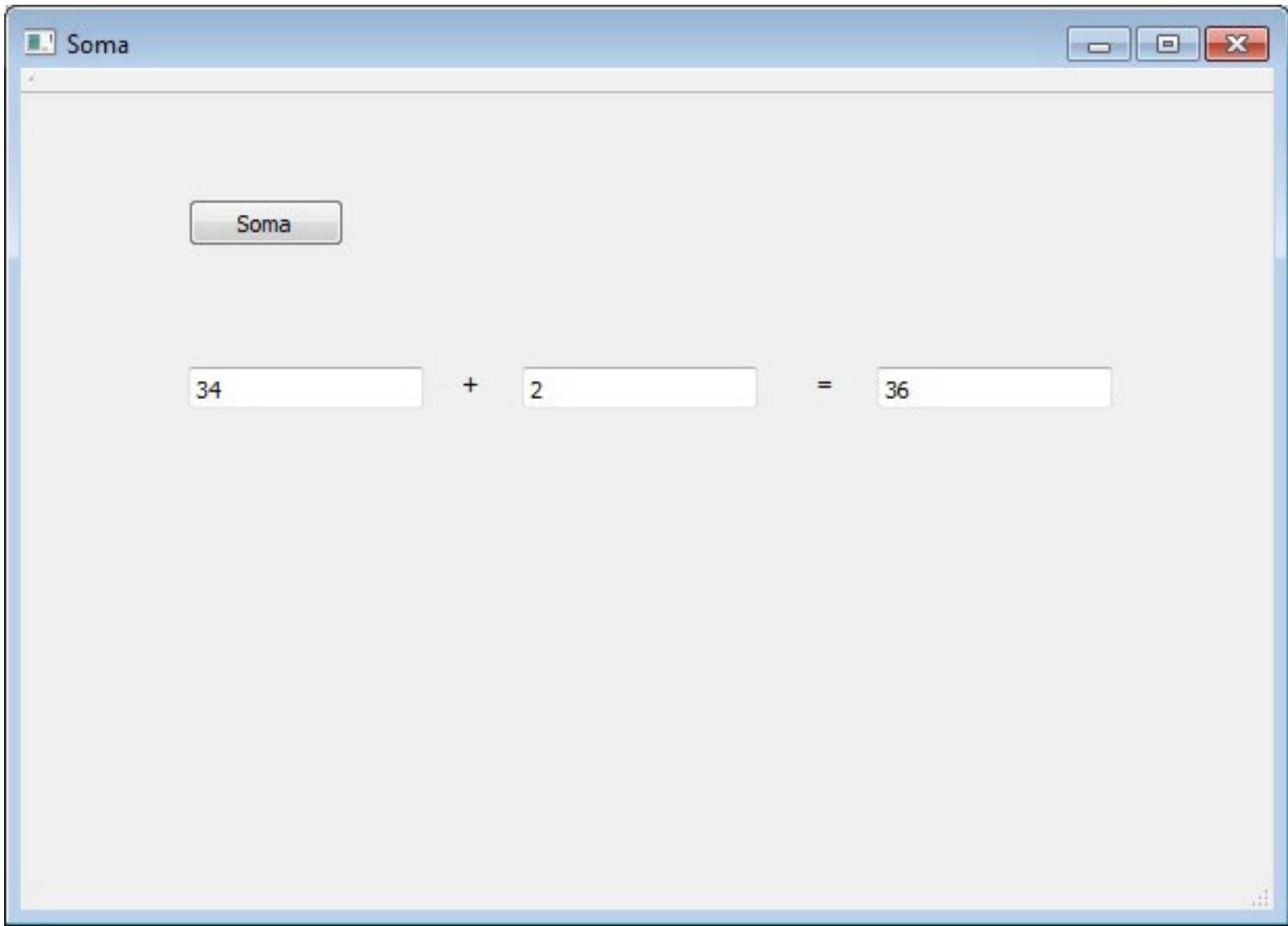
```
void clear ()  
void copy () const  
void cut ()  
void paste ()  
void redo ()  
void selectAll ()  
void setText ( const QString & )  
void undo ()
```

- 19 public slots inherited from QWidget
- 1 public slot inherited from QObject

## Signals

```
void cursorPositionChanged ( int old, int new )  
void editingFinished ()  
void returnPressed ()  
void selectionChanged ()  
void textChanged ( const QString & text )  
void textEdited ( const QString & text )
```







**Questions?**