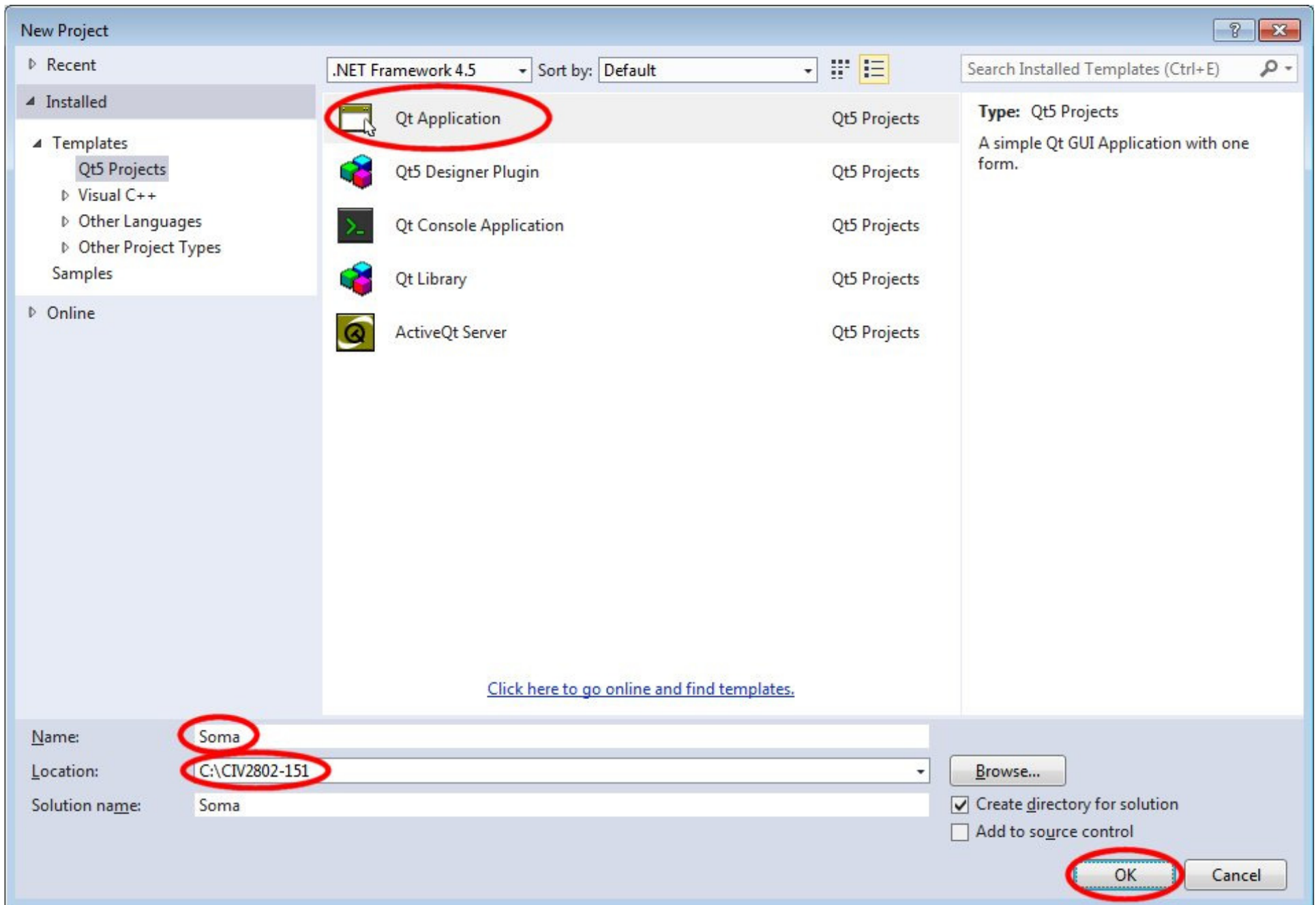


Programa “SomaDoisNumeros”

Programa simples criado com o plugin do Qt 5.4.0 para o Visual Studio 2013 para efetuar a soma de dois números

Para criação dos arquivos de projeto do Visual Studio e Qt, veja instruções do programa “Hello World!”



Soma - Microsoft Visual Studio

FILE EDIT VIEW QT5 PROJE

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'Soma' (1 project)

- Soma
 - External Dependencies
 - Form Files
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 - soma.h
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 - soma.qrc
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 - main.cpp
 - soma.cpp

Qt Designer

File Edit Form View Settings Window Help

Widget Box

Filter

- Frame
- 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 Scroll Bar
 - Vertical Scroll Bar
 - Horizontal Slider
 - Vertical Slider
 - Key sequence Edit
- Display Widgets
 - Label
 - Text Browser
 - Graphics View

Soma - soma.ui

Type Here

Object Inspector

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

Property Editor

Filter

SomaClass : QMainWindow

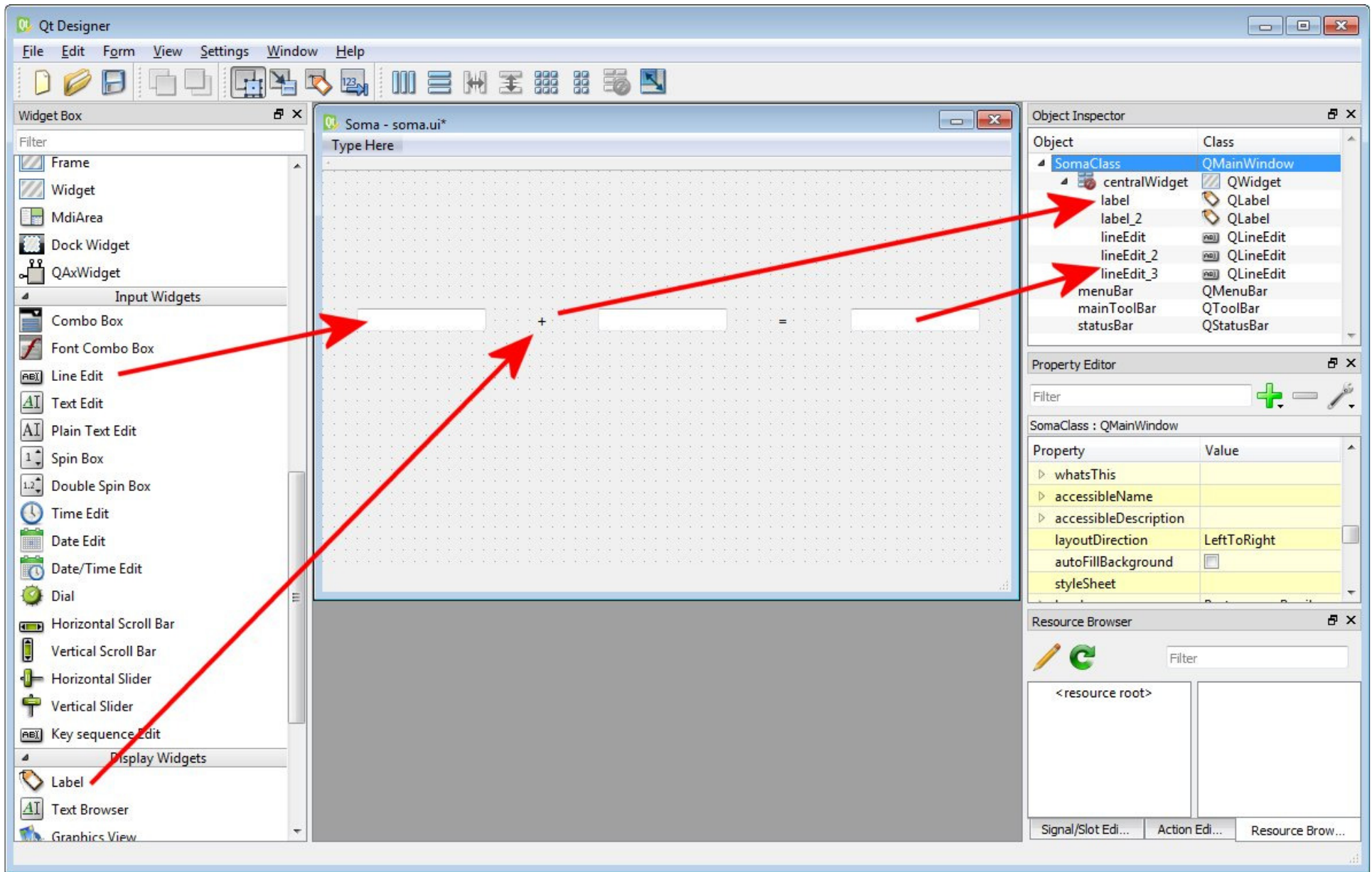
Property	Value
QObject	
objectName	SomaClass
QWidget	
windowModality	NonModal
enabled	<input checked="" type="checkbox"/>
geometry	[(0, 0), 600 x 400]
sizePolicy	[Preferred, Preferred...]
minimumSize	0 x 0

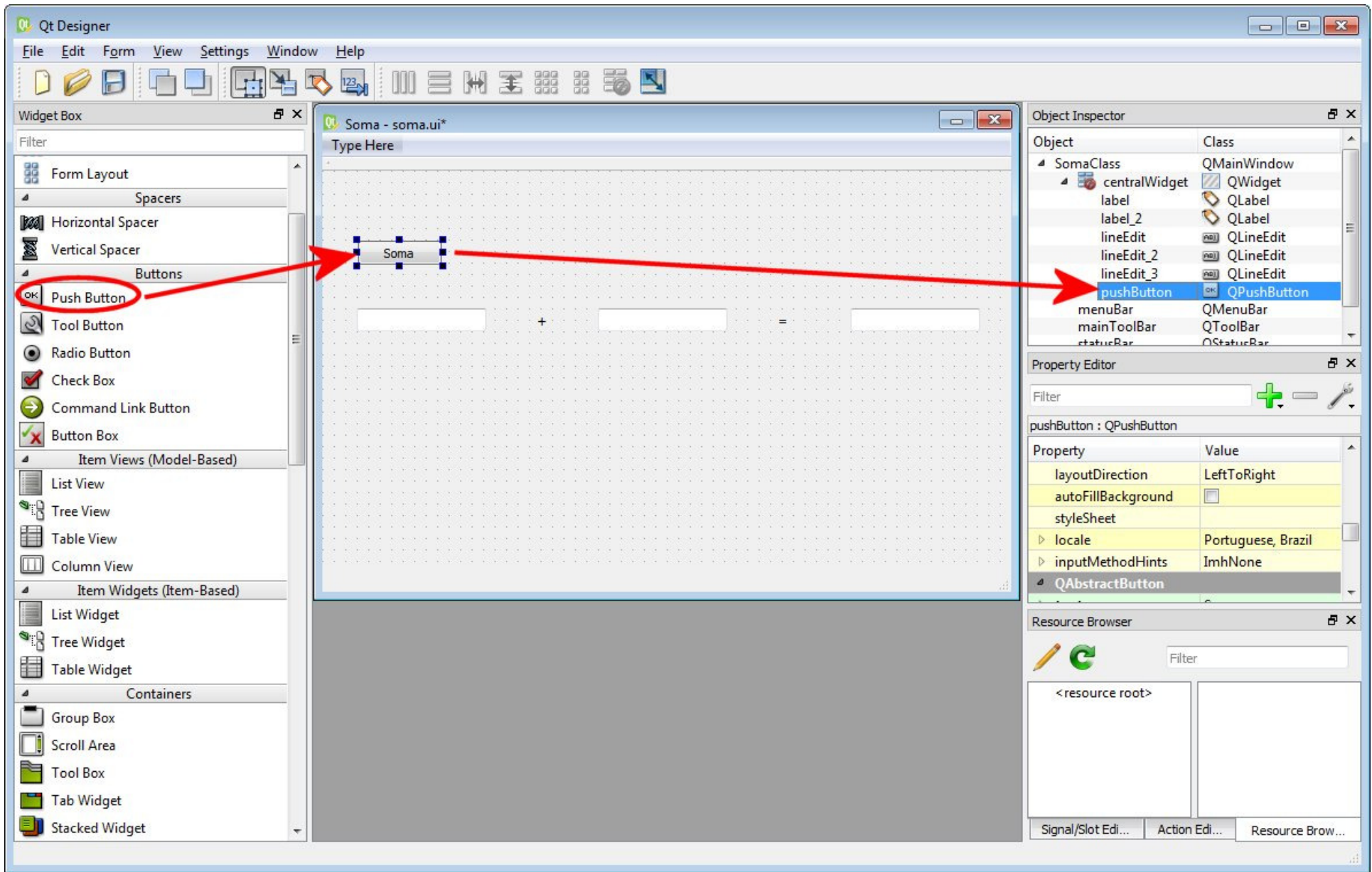
Resource Browser

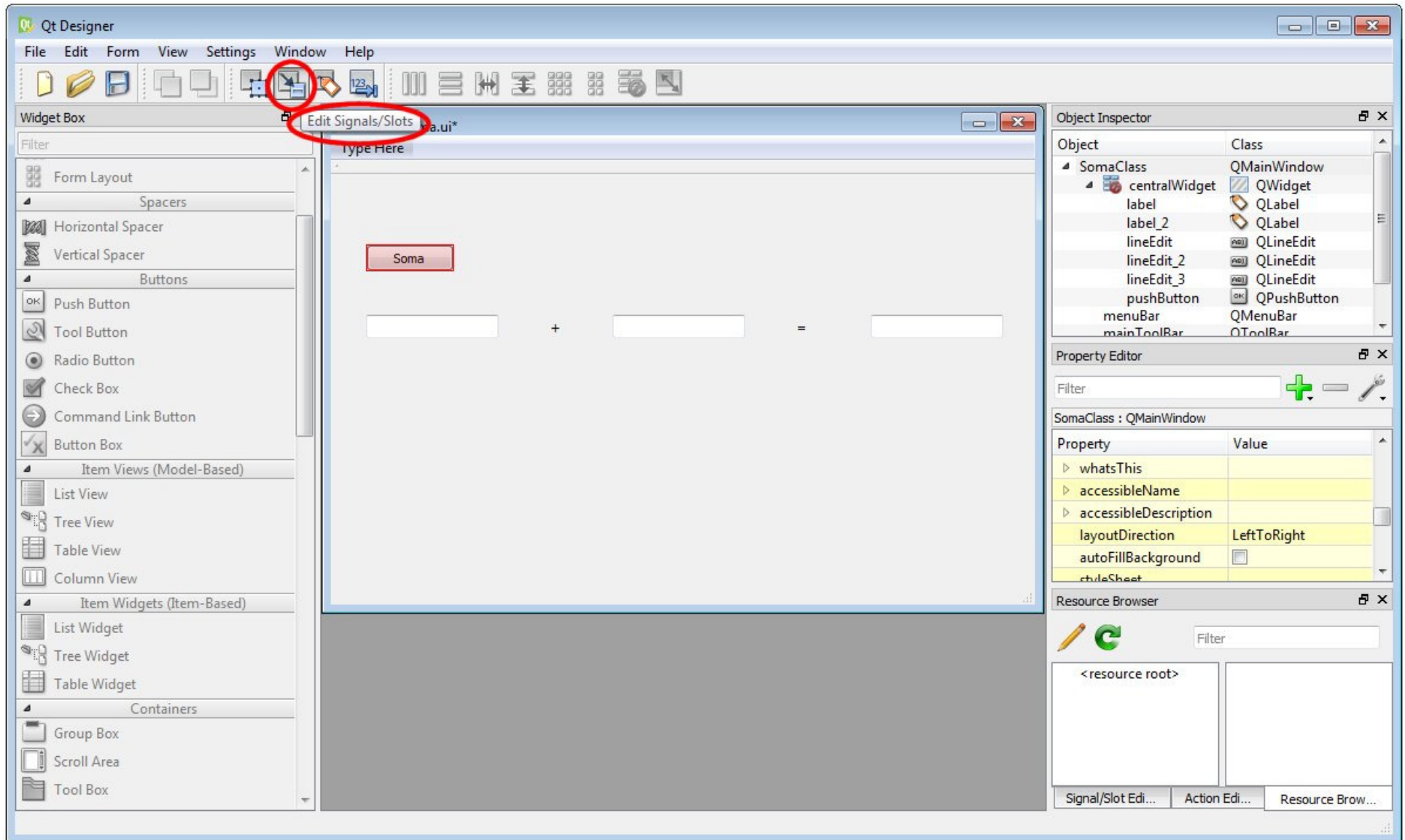
Filter

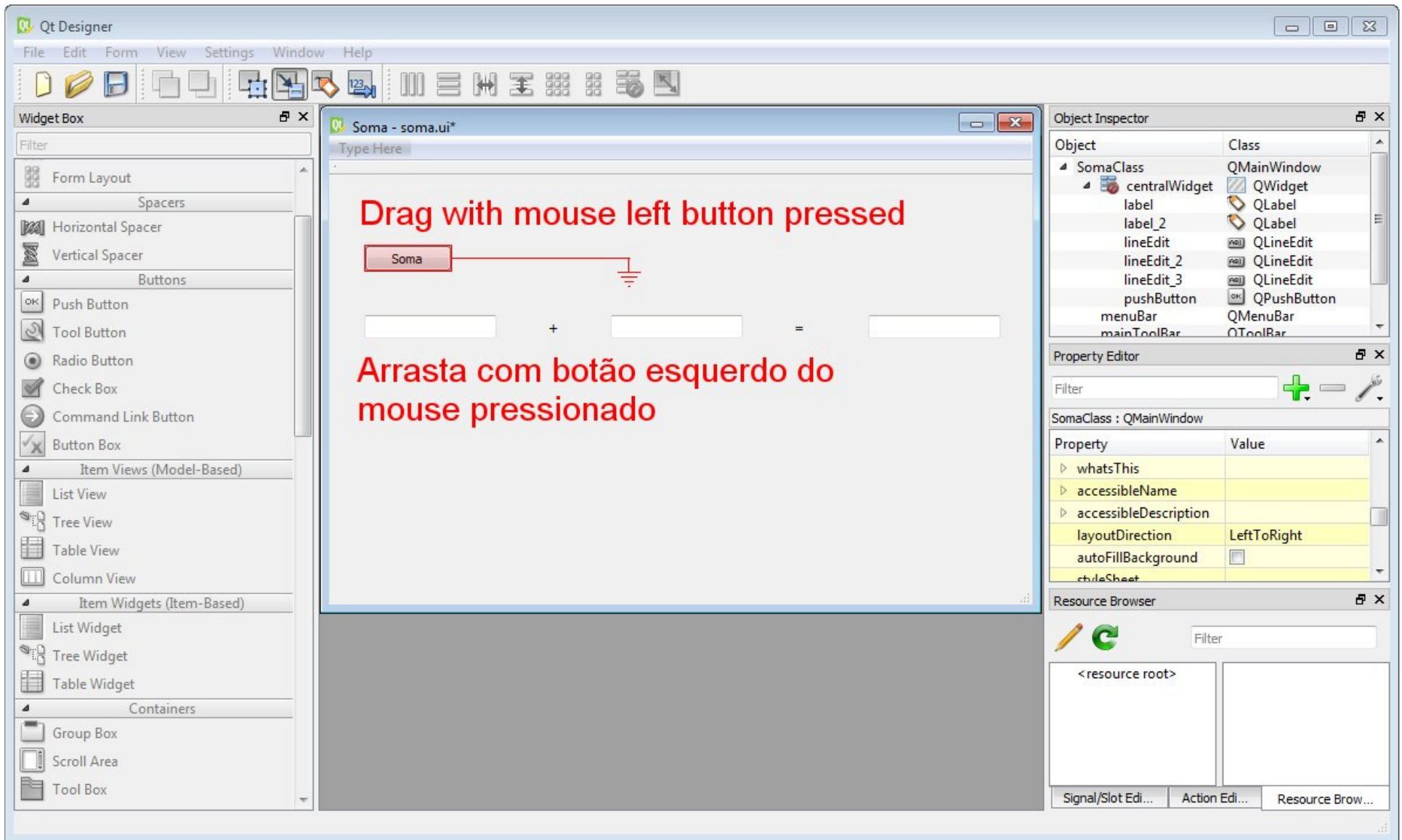
<resource root>

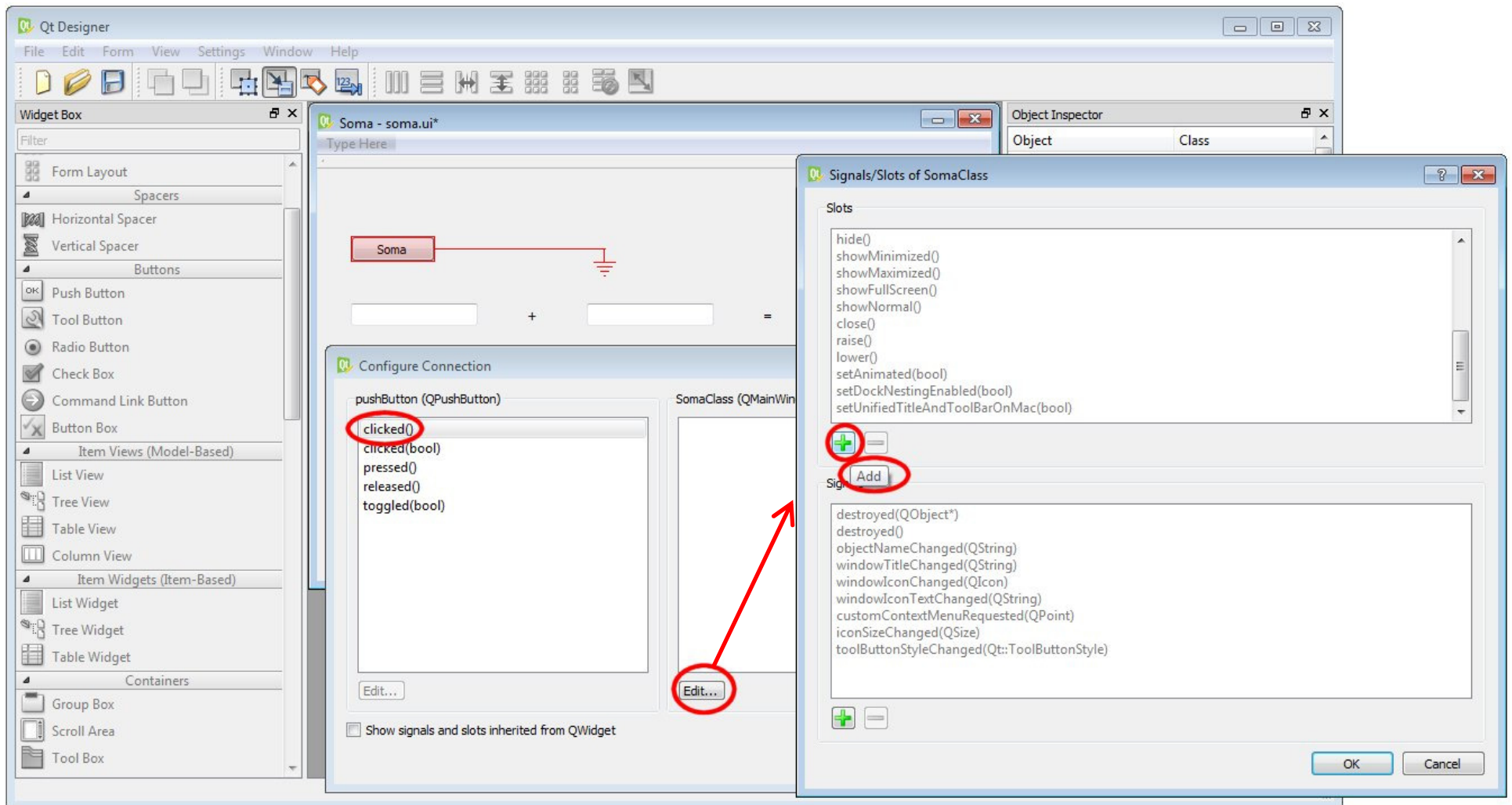
Signal/Slot Edi... Action Edi... Resource Brow...











Qt Signals/Slots of SomaClass

Slots

- showMinimized()
- showMaximized()
- showFullScreen()
- showNormal()
- close()
- raise()
- lower()
- setAnimated(bool)
- setDockNestingEnabled(bool)
- setUnifiedTitleAndToolBarOnMac(bool)
- process_number()**

Signals

- destroyed(QObject*)
- destroyed()
- objectNameChanged(QString)
- windowTitleChanged(QString)
- windowIconChanged(QIcon)
- windowIconTextChanged(QString)
- customContextMenuRequested(QPoint)
- iconSizeChanged(QSize)
- toolButtonStyleChanged(Qt::ToolButtonStyle)

OK



Qt Configure Connection

pushButton (QPushButton)

- clicked()**
- clicked(bool)
- pressed()
- released()
- toggled(bool)

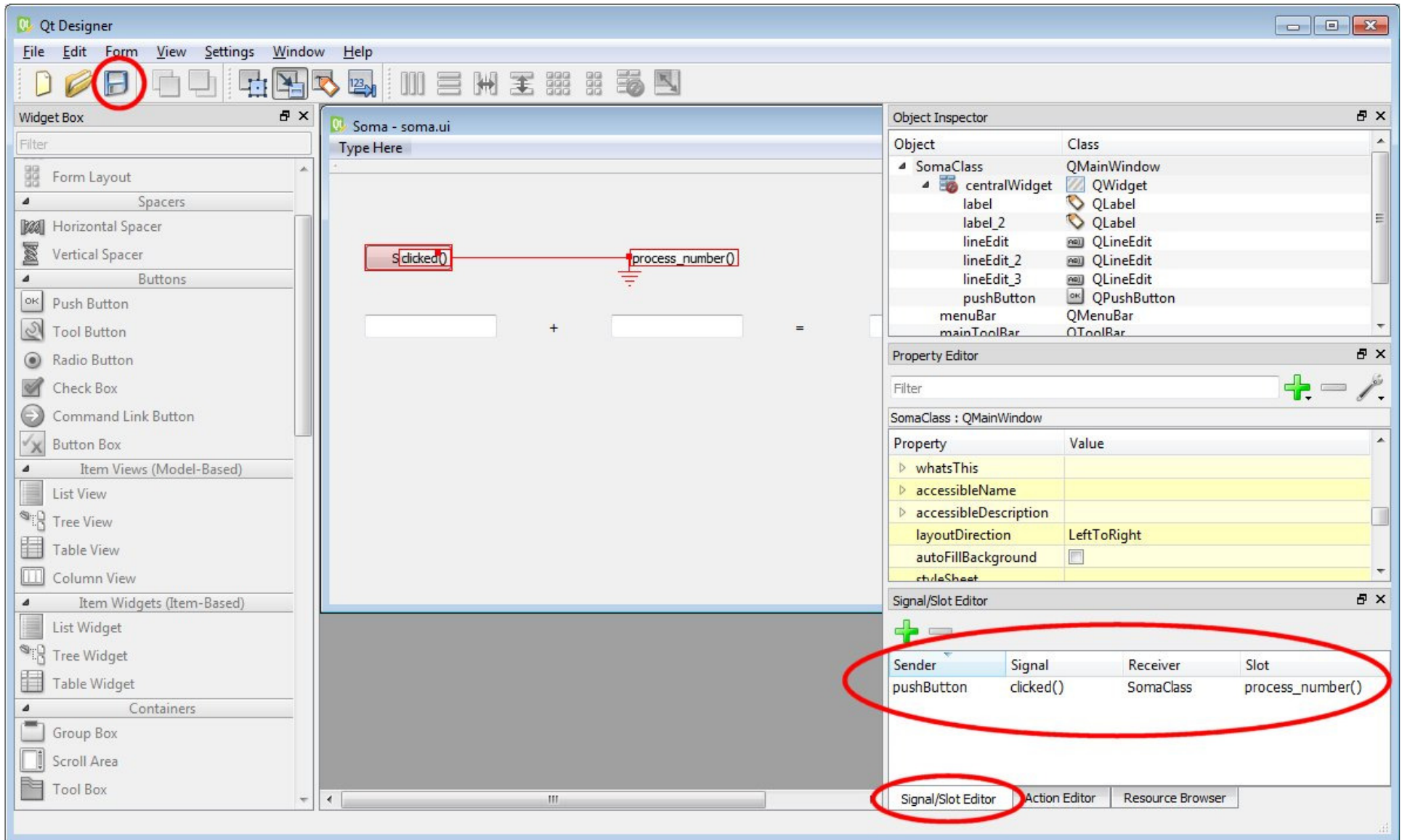
SomaClass (QMainWindow)

- process_number()**

Edit... Edit...

Show signals and slots inherited from QWidget

OK Cancel



Soma - Microsoft Visual Studio

FILE EDIT VIEW QT5 PROJECT BUILD DEBUG TEAM TOOLS TEST ANALYZE WINDOW HELP

Local Windows Debugger Auto Debug Win32

Search Solution Explorer (Ctrl+;)

Solution 'Soma' (1 project)

- Soma
 - External Dependencies
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 - soma.ui
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 - soma.qrc
 - Source Files
 - main.cpp
 - soma.cpp

```
#ifndef SOMA_H
#define SOMA_H

#include <QtWidgets/QMainWindow>
#include "ui_soma.h"

class Soma : public QMainWindow
{
    Q_OBJECT

public:
    Soma(QWidget *parent = 0);
    ~Soma();

public slots:
    void process_number();

private:
    Ui::SomaClass ui;
};

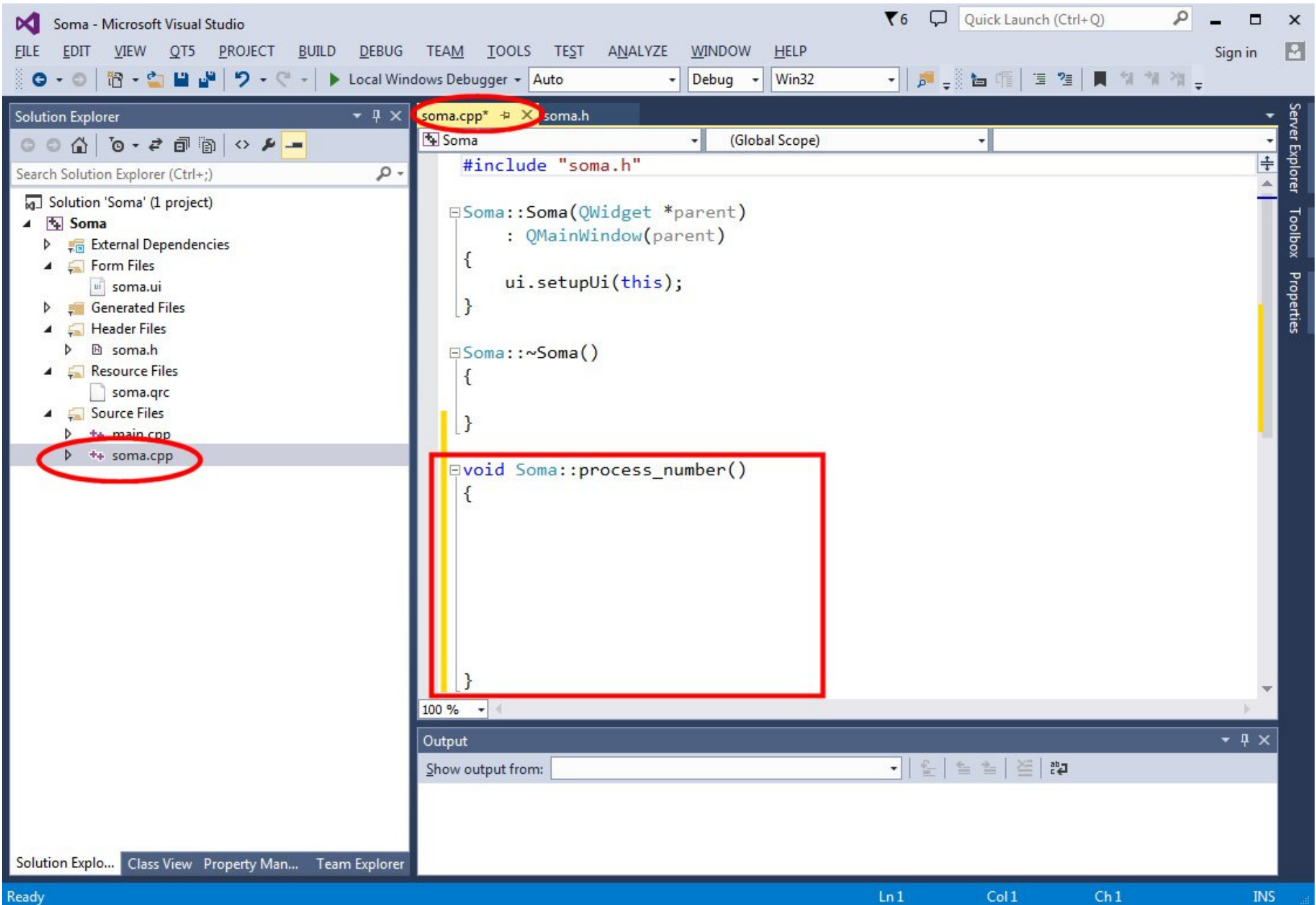
#endif // SOMA_H
```

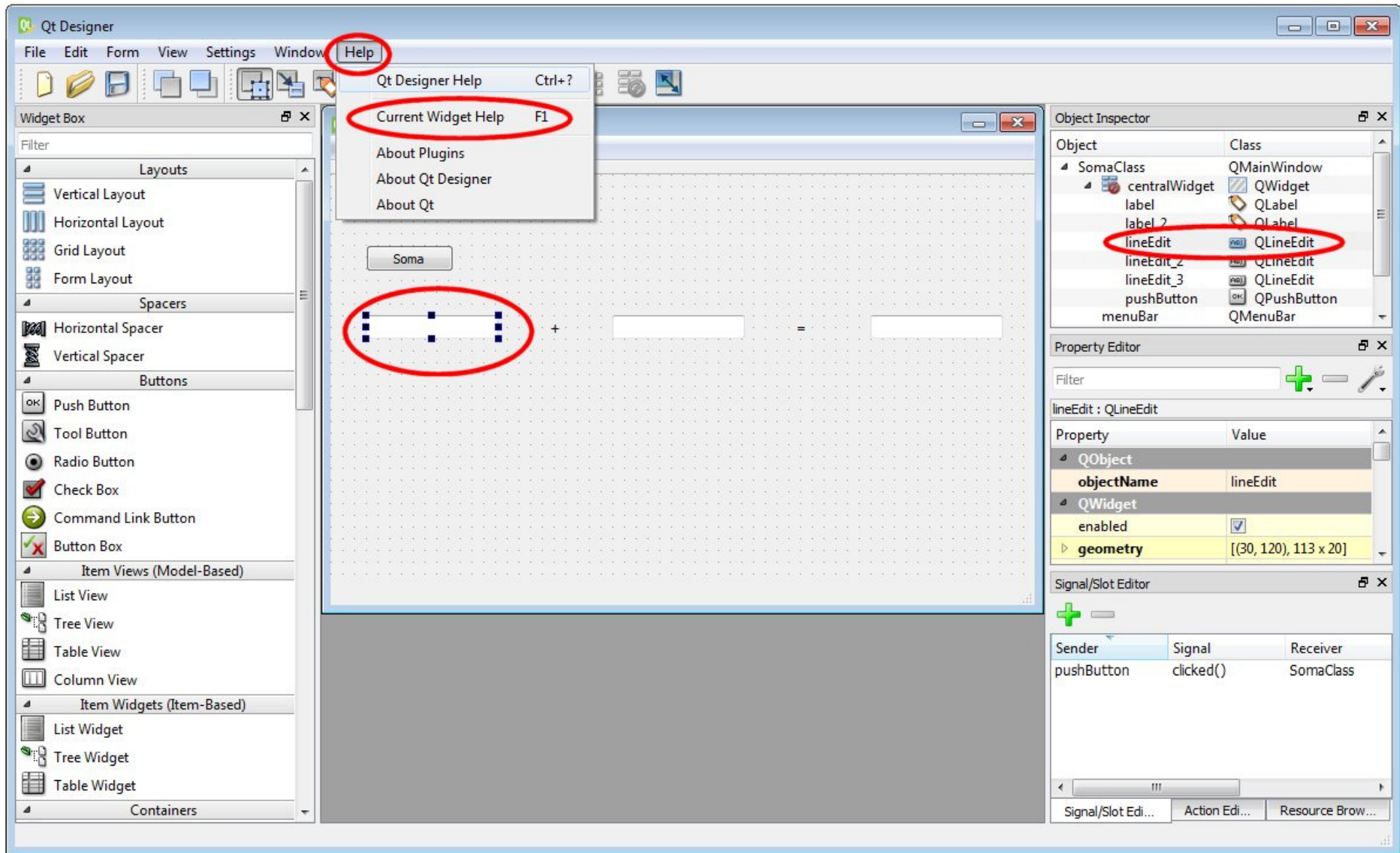
Output

Show output from:

Solution Explo... Class View Property Man... Team Explorer

Ready Ln 23 Col 1 Ch 1 INS





Qt Assistant

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- Active Qt
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- Qt Designer Manual
- Qt 5.4.0 Reference Documentation
- Enginio C++ Classes and Examples
- Enginio Manual
- Enginio QML Types and Examples
- Qt Graphical Effects
- Qt GUI
- Qt Help
- Qt Image Formats
- Qt Linguist Manual
- Qt Location
- Qt Mac Extras

Open Pages

QLineEdit Class | Qt Widgets 5.4

```
void setCursorPosition(const QPoint & p) const  
void setCursorPosition(int) const  
void setDragEnabled(bool b) const  
void setEchoMode(EchoMode) const  
void setFrame(bool) const  
void setInputMask(const QString & inputMask) const  
void setMaxLength(int) const  
void setModified(bool) const  
void setPlaceholderText(const QString &) const  
void setReadOnly(bool) const  
void setSelection(int start, int length) const  
void setTextMargins(int left, int top, int right, int bottom) const  
void setTextMargins(const QMargins & margins) const  
void setValidator(const QValidator * v) const  
QString text() const  
QMargins textMargins() const  
const QValidator * validator() const
```

Reimplemented Public Functions

```
virtual bool event(QEvent * e) const  
virtual QVariant inputMethodQuery(Qt::InputMethodQuery property) const  
virtual QSize minimumSizeHint() const  
virtual QSize sizeHint() const
```

Qt Assistant

File Edit View Go Bookmarks Help

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Look for:

QString

QString

QString::const_iterator

QString::const_pointer

QString::const_reference

QString::ConstIterator

QString::difference_type

QString::iterator

QString::Iterator

QString::KeepEmptyParts

QString::NormalizationForm

QString::NormalizationForm_C

QString::NormalizationForm_D

QString::NormalizationForm_KC

QString::NormalizationForm_KD

QString::pointer

QString::reference

QString::SectionCaseInsensitiveSeps

QString::SectionDefault

Open Pages

QString Class | Qt Core 5.4

```
Qt::CaseSensitive) const
QVector<QStringRef> splitRef(QChar sep, SplitBehavior behavior = KeepEmptyParts, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
QVector<QStringRef> splitRef(const QRegExp & rx, SplitBehavior behavior = KeepEmptyParts) const
QVector<QStringRef> splitRef(const QRegularExpression & re, SplitBehavior behavior = KeepEmptyParts) const
QString & sprintf(const char * cformat, ...)
void squeeze()
bool startsWith(const QString & s, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
bool startsWith(QLatin1String s, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
bool startsWith(QChar c, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
bool startsWith(const QStringRef & s, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
void swap(QString & other)
CFStringRef toCFString() const
QString toCaseFolded() const
double toDouble(bool * ok = 0) const
float toFloat(bool * ok = 0) const
QString toHtmlEscaped() 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
NSString * toNSString() const
short toShort(bool * ok = 0, int base = 10) const
std::string toStdString() const
std::wstring toStdString() const
```

Soma - Microsoft Visual Studio

FILE EDIT VIEW QT5 PROJECT BUILD DEBUG TEAM TOOLS TEST ANALYZE WINDOW HELP

Local Windows Debugger Auto Debug Win32

Solution Explorer

Solution 'Soma' (1 project)

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 - soma.h
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 - soma.qrc
 - Source Files
 - main.cpp
 - soma.cpp

```
#include "soma.h"

Soma::Soma(QWidget *parent)
    : QMainWindow(parent)
{
    ui.setupUi(this);
}

Soma::~Soma()
{
}

void Soma::process_number()
{
    QString text1 = ui.lineEdit->text();
    int numb1 = text1.toInt();
    QString text2 = ui.lineEdit_2->text();
    int numb2 = text2.toInt();
}


```

Output

Show output from:

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Qt Assistant

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Index

Look for:

QString

- QString
- QString::const_iterator
- QString::const_pointer
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- QString::NormalizationForm
- QString::NormalizationForm_C
- QString::NormalizationForm_D
- QString::NormalizationForm_KC
- QString::NormalizationForm_KD
- QString::pointer
- QString::reference
- QString::SectionCaseInsensitiveSeeps
- QString::SectionDefault

Open Pages

QString Class | Qt Core 5.4

```
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 section(const QRegularExpression & re, 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
int size() const
QStringList split(const QString & sep, SplitBehavior behavior = KeepEmptyParts, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
QStringList split(QChar sep, SplitBehavior behavior = KeepEmptyParts, Qt::CaseSensitivity cs = Qt::CaseSensitive) const
```

Qt Assistant

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Look for:

QLineEdit

QLineEdit
QLineEdit::ActionPosition
QLineEdit::EchoMode
QLineEdit::LeadingPosition
QLineEdit::NoEcho
QLineEdit::Normal
QLineEdit::Password
QLineEdit::PasswordEchoOnEdit
QLineEdit::TrailingPosition
~QLineEdit

Open Pages

QLineEdit Class | Qt Widgets 5.4

Public Slots

- 31 public functions inherited from `QObject`
- 13 public functions inherited from `QPaintDevice`

```
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)
```

