How to use QFrame in Qt

Introduction

Qt provides the QFrame class which can be use to make a frame around the widget. You can make your application more attractive by using one of the type of frame given in this class.

QFrame is used as a base class for numerous widgets of Qt: QAbstractScrollArea, QLabel, QLCDNumber, QSplitter, QStackedWidget, and QToolBox. The examples of this page show the various frame around the label widget (QLabel).

Various Function

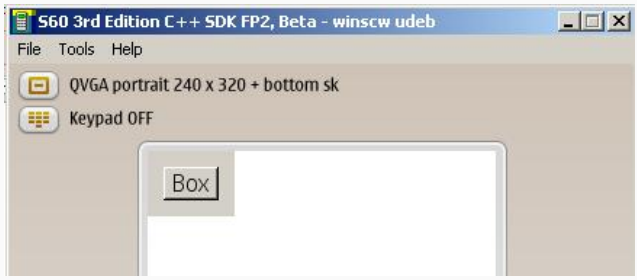
Frame Style

The frame style is defined by the combination of a *frame shape* and a *shadow style*.

```
label->setFrameStyle(QFrame::Box | QFrame::Raised);
label->setLineWidth(2);
label1->setFrameStyle(QFrame::Box | QFrame::Sunken);
label1->setLineWidth(2);
```

Frame Shape

```
label1->setFrameShape(Qt::StyledPanel);
```



More information

For more functions and property visit: http://doc.trolltech.com/4.5/qframe.html

Code

```
#include <QApplication>
#include <QLabel>
#include <QFrame>
#include <QVBoxLayout>
#include <QWidget>
int main(int argc, char *argv[])
{
 QApplication app(argc, argv);
 QWidget *win = new QWidget;

 QLabel *label = new QLabel("Box");
 QLabel *label1 = new QLabel("Panel");
 QLabel *label2 = new QLabel("Winpanel");
 QLabel *label3 = new QLabel("H line");
```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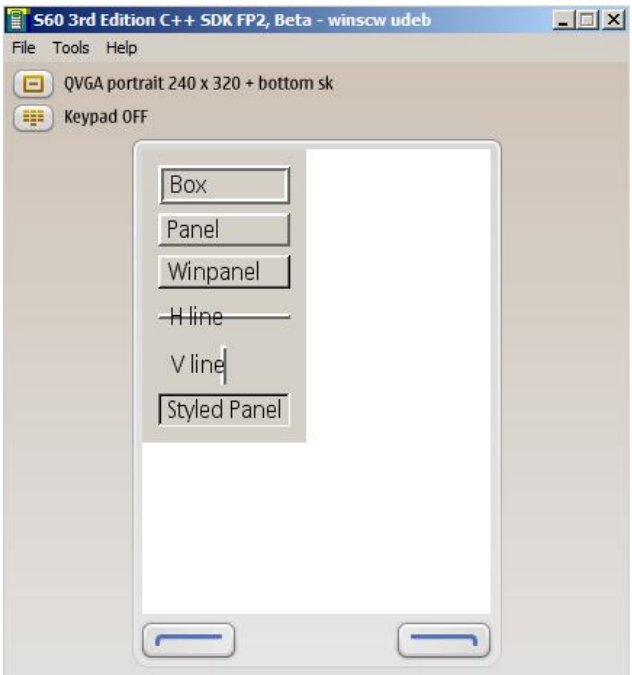
```
  QLabel *label4 = new QLabel("V line");
  QLabel *label5 = new QLabel("Styled Panel");

  label->setFrameStyle(QFrame::Box | QFrame::Raised);
  label->setLineWidth(2);
  label1->setFrameStyle(QFrame::Panel | QFrame::Raised);
  label1->setLineWidth(2);
  label2->setFrameStyle(QFrame::WinPanel | QFrame::Raised);
  label2->setLineWidth(2);
  label3->setFrameStyle(QFrame::HLine | QFrame::Raised);
  label3->setLineWidth(2);
  label4->setFrameStyle(QFrame::VLine | QFrame::Raised);
  label4->setLineWidth(2);
  label5->setFrameStyle(QFrame::StyledPanel | QFrame::Sunken);
  label5->setLineWidth(2);

  QVBoxLayout *layout = new QVBoxLayout;
  layout->addWidget(label);
  layout->addWidget(label1);
  layout->addWidget(label2);
  layout->addWidget(label3);
  layout->addWidget(label4);
  layout->addWidget(label5);
  win->setLayout(layout);
  win->show();
  return app.exec();
 }
```



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