COMPSYS302: PyQt5

3. Dialog

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3. Dialog

☐ **Dialog**

- PyQt supports different dialog such as

  - QInputDialog
  - QColorDialog
  - QFontDialog
  - QFileDialog
  - QMessageBox

3.1 QInputDialog

☐ **QInputDialog**

- Dialog for input data.

- See more info: http://doc.qt.io/qt-5/qinputdialog.html

  - Ex) 3_01_QInputDialog.py

    self.btn.**clicked**.connect(self.showDialog)
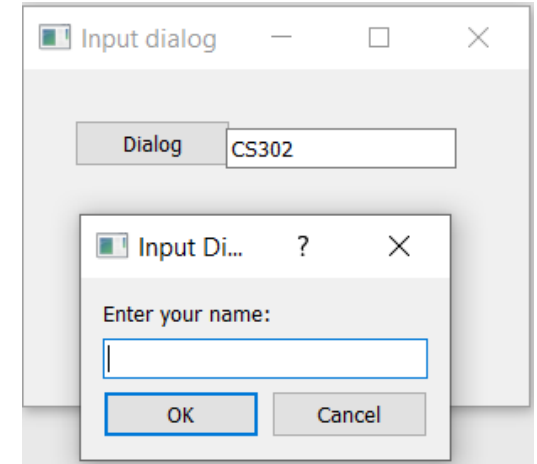
    ➔ Call showDialog() if clicked.

    text, ok = QInputDialog.**getText**(self, 'Input Dialog', 'Enter your name:')

    ➔ Create an input dialog with name and text, and get input text.

    if ok:
        self.le.**setText**(str(text))

    ➔ Show the text if 'ok' is clicked.

3.2 QColorDialog

□ **QColorDialog**

- Dialog for colour selection.

- See more info: http://doc.qt.io/qt-5/qcolordialog.html

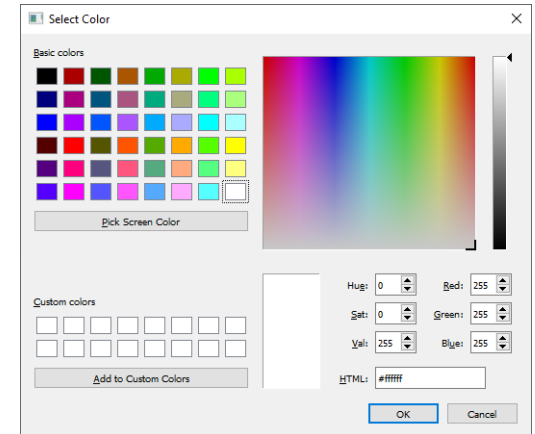 - Ex) 3_02_QColorDialog.py

    col = QColor(0, 0, 0)

    ➜ Make an QColor object col.

    col = **QColorDialog**.getColor()

    ➜ Create an color dialog, and get the selected color using getColor().

    self.frm.**setStyleSheet**('QWidget { background-color: %s }' % col.name())
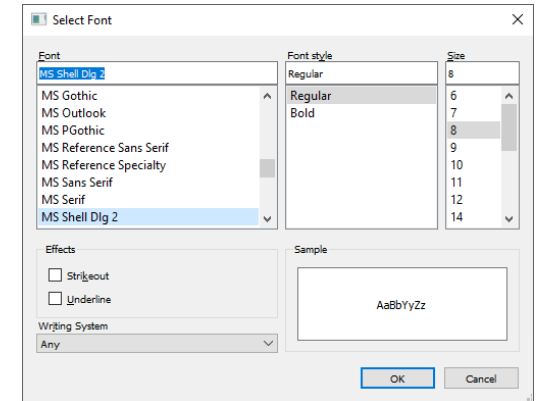
    ➜ Set the colour of the frame with the selected colour.

☐ **QFontDialog**

- ▪ Dialog for font selection.

- ▪ See more info: http://doc.qt.io/qt-5/qfontdialog.html

  - ▪ Ex) 3_03_QFontDialog.py

    font, ok = **QFontDialog**.getFont()

    ➔ Create a font dialog, and get the selected font using getFont().

    if ok:
        self.le.**setText**(str(text))

    ➔ Update the text with the selected font if 'ok' is clicked.

☐ **QFileDialog**

▪ Dialog for file path selection.

▪ See more info: http://doc.qt.io/qt-5/qfiledialog.html

   ▪ Ex) 3_04_QFileDialog.py
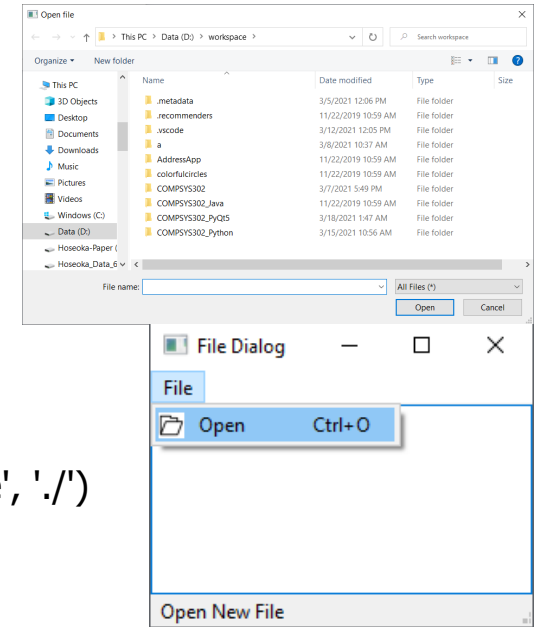
   fname = **QFileDialog**.getOpenFileName(self, 'Open file', './')

➔ Create a file dialog,

   and get the file name to open using getOpenFileName().

   if fname[0]:

     f = **open**(fname[0], 'r')
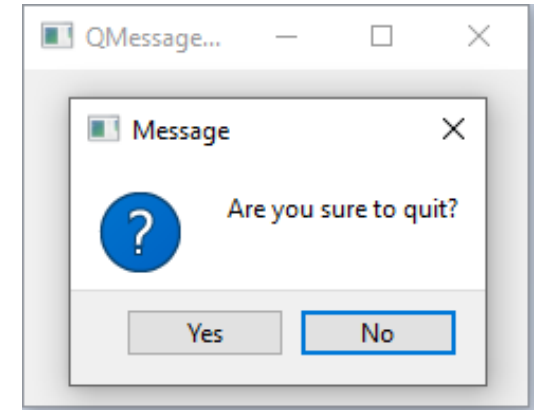
➔ If we get the file name, open the file with the option 'r'.

3.5 QMessageBox

☐ **QMessageBox**

- Dialog for message box.

- See more info: http://doc.qt.io/qt-5/qmessagebox.html

- Ex) 3_05_QMessageBox.py

reply = **QMessageBox**.question(self, 'Message', 'Are you sure to quit?',

   QMessageBox.Yes | QMessageBox.No, QMessageBox.No)

➔ Create a message box dialog wit the following parameters,
   name, message, selections, default selection.

if reply == QMessageBox.Yes: event.accept()

else: event.ignore()

➔ If 'Yes' is clicked, execute the event.