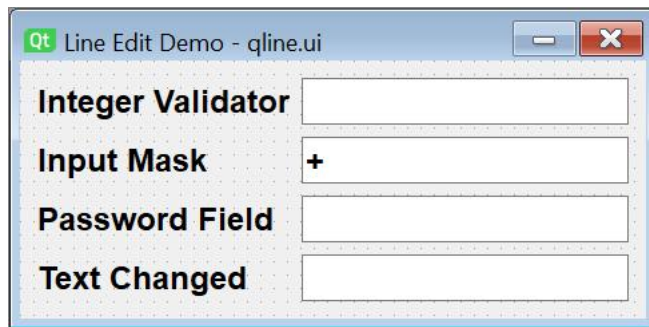


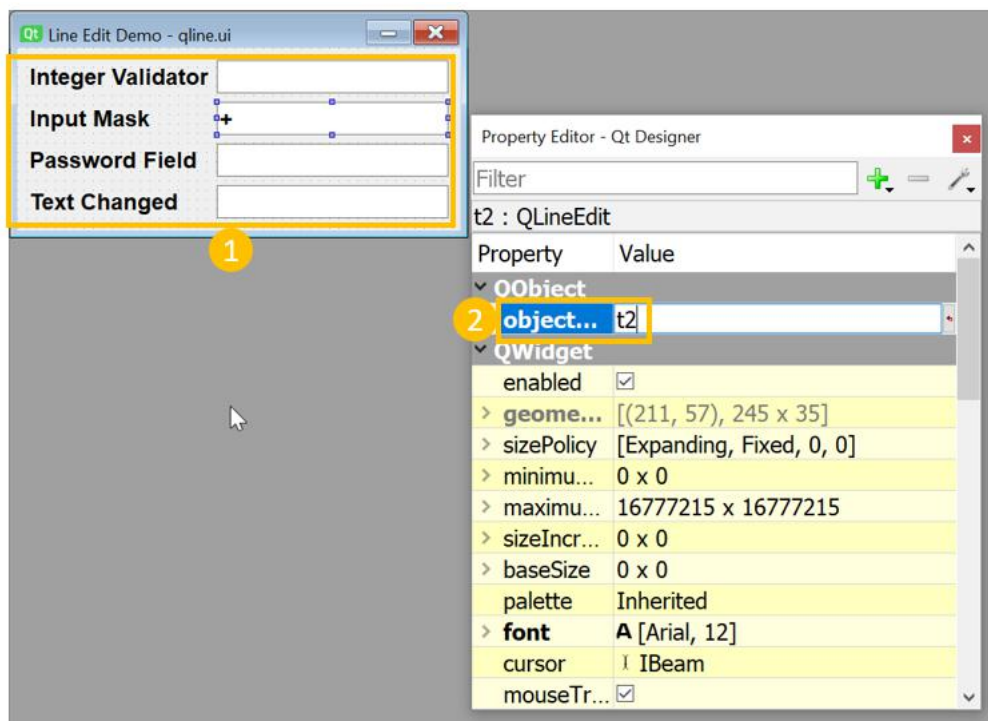
How to use QLineEdit - An Example



Step 1

Adding the widgets to the form

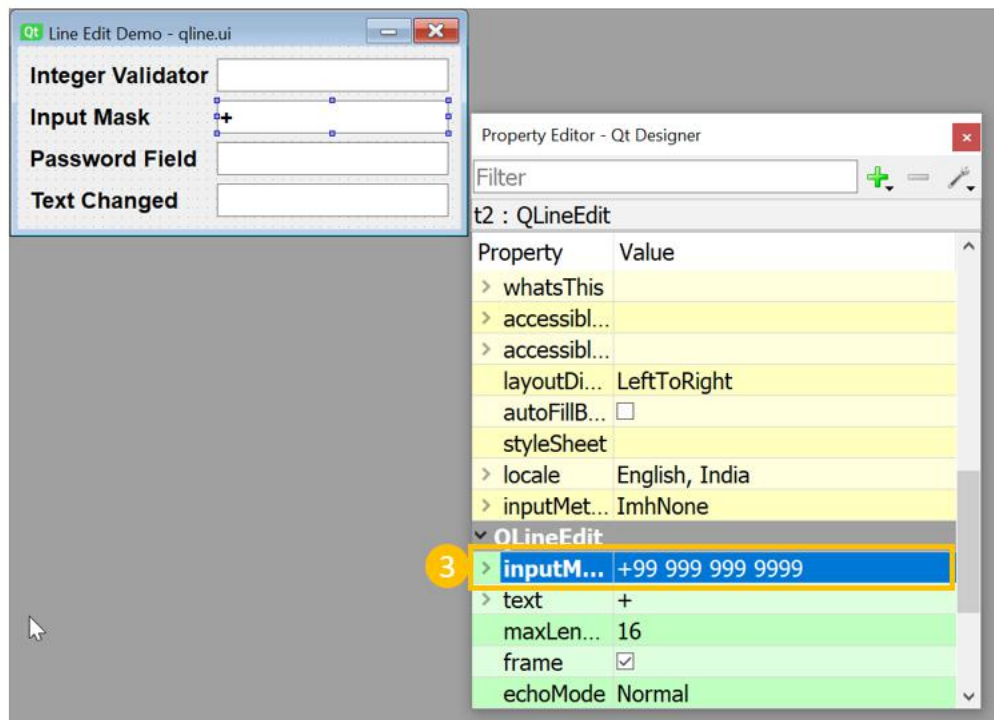
1. Drop four pairs of QLabel and QLineEdit widgets on the form and put them in Form Layout.
2. Change the names of the line edit fields to t1, t2, t3 and t4.



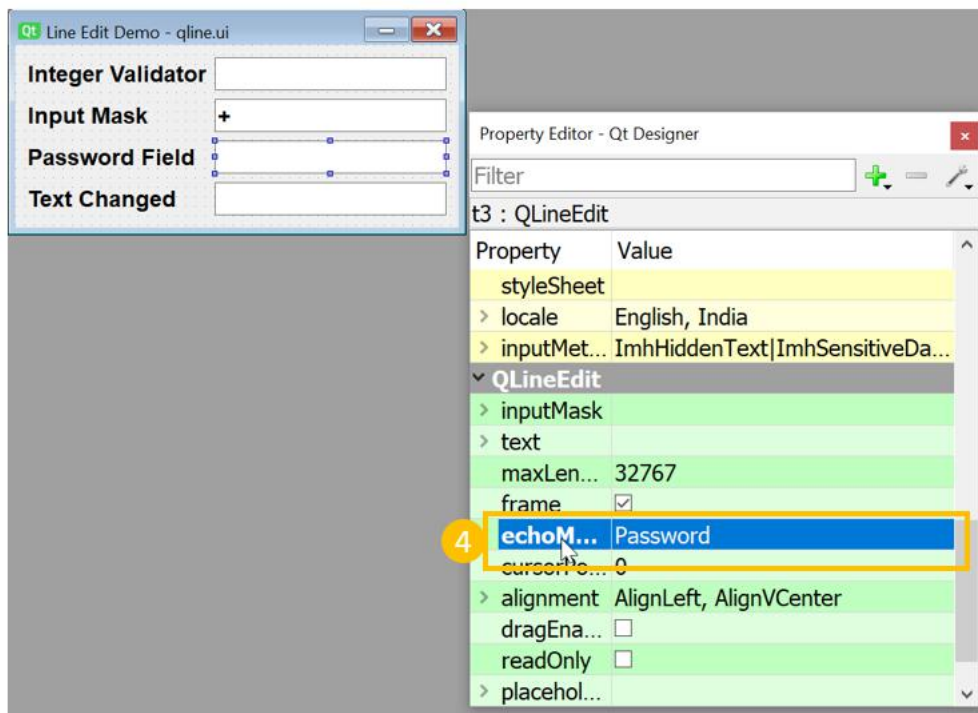
Step 2

Setting properties and saving ui

3. In order to let t2 to accept a phone number in the format +91 965 253 6547, set the InputMask property to +99 999 999 9999.

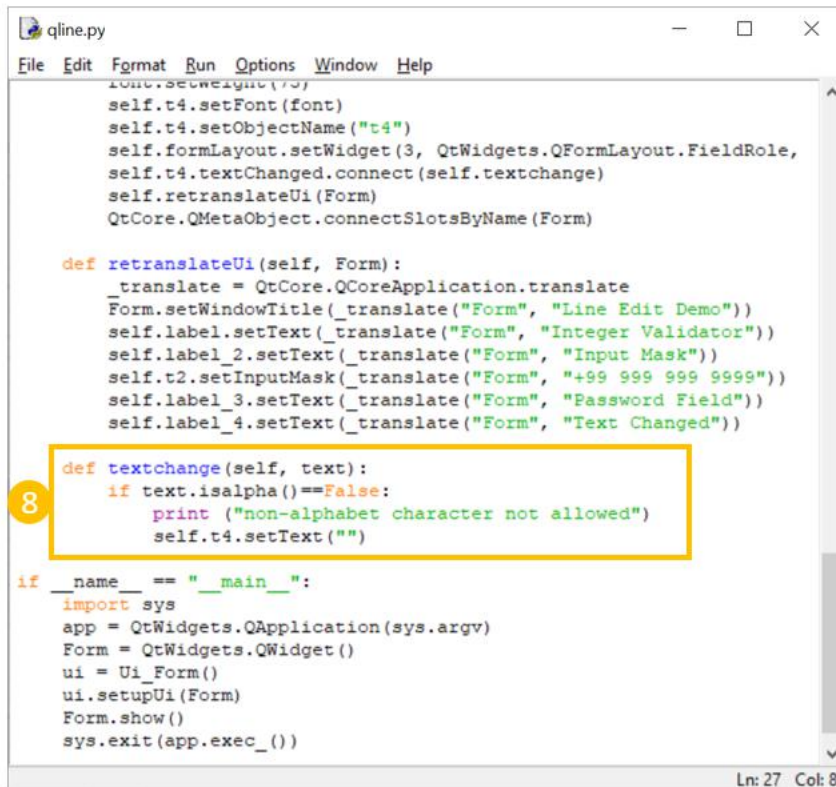


4. For t3, set EchoMode property to password.



5. Save the form as qline.ui.

- Using the `pyuic5` utility, generate the Python script.



```
qline.py
File Edit Format Run Options Window Help

    font.setPointSize(10)
    self.t4.setFont(font)
    self.t4.setObjectName("t4")
    self.formLayout.addWidget(3, QtWidgets.QFormLayout.FieldRole,
    self.t4.textChanged.connect(self.textchange)
    self.retranslateUi(Form)
    QtCore.QMetaObject.connectSlotsByName(Form)

def retranslateUi(self, Form):
    _translate = QtCore.QCoreApplication.translate
    Form.setWindowTitle(_translate("Form", "Line Edit Demo"))
    self.label.setText(_translate("Form", "Integer Validator"))
    self.label_2.setText(_translate("Form", "Input Mask"))
    self.t2.setInputMask(_translate("Form", "+99 999 999 9999"))
    self.label_3.setText(_translate("Form", "Password Field"))
    self.label_4.setText(_translate("Form", "Text Changed"))

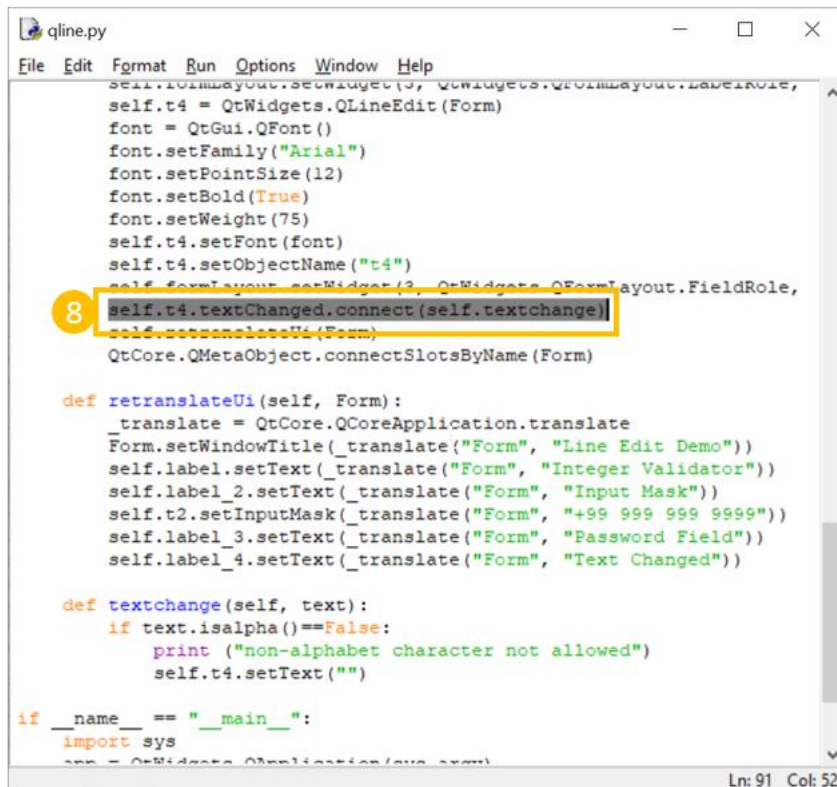
def textchange(self, text):
    if text.isalpha() == False:
        print("non-alphabet character not allowed")
        self.t4.setText("")

if __name__ == "__main__":
    import sys
    app = QtWidgets.QApplication(sys.argv)
    Form = QtWidgets.QWidget()
    ui = Ui_Form()
    ui.setupUi(Form)
    Form.show()
    sys.exit(app.exec_())
```

Ln: 27 Col: 8

9. To set the method added above as a slot for textChanged signal emitted by t4, add the following statement in setupUi() method.

self.t4.textChanged.connect(self.textchange)



```
qline.py
File Edit Format Run Options Window Help
self.formLayout.addWidget(self.t4, QtWidgets.QFormLayout.LabelRole,
self.t4 = QtWidgets.QLineEdit(Form)
font = QtGui.QFont()
font.setFamily("Arial")
font.setPointSize(12)
font.setBold(True)
font.setWeight(75)
self.t4.setFont(font)
self.t4.setObjectName("t4")
8 self.t4.textChanged.connect(self.textchange)
self.retranslateUi(Form)
QtCore.QMetaObject.connectSlotsByName(Form)

def retranslateUi(self, Form):
    _translate = QtCore.QCoreApplication.translate
    Form.setWindowTitle(_translate("Form", "Line Edit Demo"))
    self.label.setText(_translate("Form", "Integer Validator"))
    self.label_2.setText(_translate("Form", "Input Mask"))
    self.t2.setInputMask(_translate("Form", "+99 999 999 9999"))
    self.label_3.setText(_translate("Form", "Password Field"))
    self.label_4.setText(_translate("Form", "Text Changed"))

def textchange(self, text):
    if text.isalpha() == False:
        print("non-alphabet character not allowed")
        self.t4.setText("")

if __name__ == "__main__":
    import sys
    app = QtWidgets.QApplication(sys.argv)
    Ln: 91 Col: 52
```

Step 4

Download Sample

Click [here](#) to download sample files for the use of this widget.