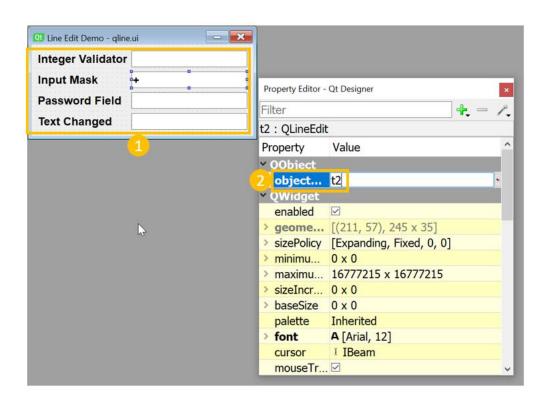
### How to use QLineEdit - An Example

| : |
|---|
|   |
|   |

Step 1

# Adding the widgets to the form

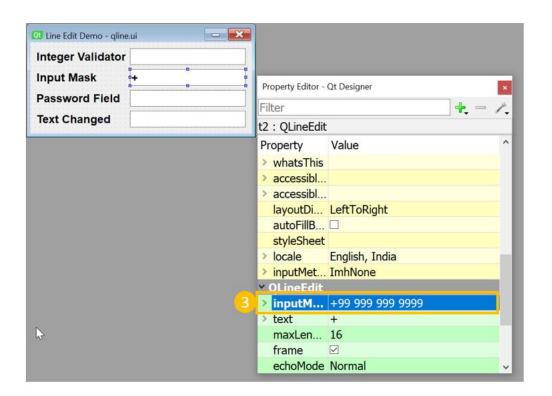
- Drop four pairs of QLabel and QLineEdit widgets on the form and put them in Form Layout.
- 2. Change the names of the line edit fields to t1, t2, t3 and t4.



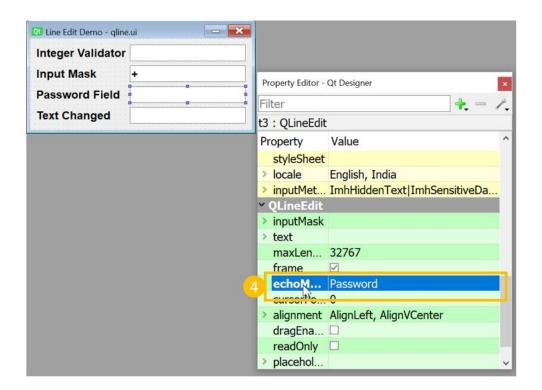
Step 2

# 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 9999.



4. For t3, set EchoMode property to password.



5. Save the form as qline.ui.

6. Using the pyuic5 utility, generate the Python script.

#### Step 3

### **Event Handling**

7. To restrict t1 to accepting integers, apply the IntValidator on t1 by add the following statement in setupUi() method.

### self.t1.setValidator(QtGui.QIntValidator())

```
aline.py
                                                                 X
File Edit Format Run Options Window Help
# Form implementation generated from reading ui file 'qline.ui'
# Created by: PyQt5 UI code generator 5.9.2
# WARNING! All changes made in this file will be lost!
from PyQt5 import QtCore, QtGui, QtWidgets
class Ui_Form(object):
   def setupUi(self, Form):
        Form.setObjectName("Form")
        Form.resize(469, 164)
        self.formLayout = QtWidgets.QFormLayout(Form)
        self.formLayout.setObjectName("formLayout")
        self.label = QtWidgets.QLabel(Form)
        font = QtGui.QFont()
        font.setFamily("Arial
        font.setPointSize(12)
        font.setBold(True)
        font.setWeight (75)
        self.label.setFont(font)
        self.label.setObjectName("label")
        self.formLayout.setWidget(0, QtWidgets.QFormLayout.LabelRole,
        serr.cr - Quarageus.Quinerarc(rorm)
       self.tl.setValidator(QtGui.QIntValidator())
        font = OtGui OFont ()
        font.setFamily("Arial")
        font.setPointSize(12)
        font.setBold(True)
                                                                 Ln: 27 Col: 8
```

8. To restrict t4 to accept only alphabets, add the following method in the class Ui Form.

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

```
aline.py
                                                                             File Edit Format Run Options Window Help
            nc.secwerync(/o)
         self.t4.setFont(font)
         self.t4.setObjectName("t4")
         self.formLayout.setWidget(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("")
     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)

```
aline.py
                                                                                             File Edit Format Run Options Window Help
           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")
                                                                           "Layout.FieldRole,
          self.t4.textChanged.connect(self.textchange)
           QtCore.QMetaObject.connectSlotsByName(Form)
     def retranslateUi(self, Form):
            translate = QtCore.QCoreApplication.translate
          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.label_2.setText(_translate("Form", "+99 999 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
      onn - Othidasta Olenliastice/aus seaul
                                                                                            Ln: 91 Col: 52
```

Step 4

# **Download Sample**

Click here to download sample files for the use of this widget.