PyQT5 MySQL Example



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| **Line** | **Code** |
| **1****2****3****4****5****6****7****8****9****10****11****12****13****14****15****16****17****18****19****20****21****22****23****24****25****26****27****28****29****30****31****32****33****34****35****36****37****38****39****40****41****42****43****44****45****46****47****48****49****50****51****52****53****54****55****56****57****58****59****60****61****62****63****64****65****66****67****68****69****70****71****72****73****74****75****76****77****78****79****80****81****82****83****84****85****86****87****88****89****90****91****92****93** | **from** PyQt5 **import** QtCore, QtGui, QtWidgets**import** mysql.connector **as** mc**class** Ui\_Form(**object**): **def** setupUi(self, Form): Form.setObjectName("Form") Form.resize(519, 207) self.verticalLayout = QtWidgets.QVBoxLayout(Form) self.verticalLayout.setObjectName("verticalLayout") self.horizontalLayout = QtWidgets.QHBoxLayout() self.horizontalLayout.setObjectName("horizontalLayout") self.label = QtWidgets.QLabel(Form) self.label.setObjectName("label") self.horizontalLayout.addWidget(self.label) self.lineEditEmaul = QtWidgets.QLineEdit(Form) self.lineEditEmaul.setObjectName("lineEditEmaul") self.horizontalLayout.addWidget(self.lineEditEmaul) self.verticalLayout.addLayout(self.horizontalLayout) self.horizontalLayout\_2 = QtWidgets.QHBoxLayout() self.horizontalLayout\_2.setObjectName("horizontalLayout\_2") self.label\_2 = QtWidgets.QLabel(Form) self.label\_2.setObjectName("label\_2") self.horizontalLayout\_2.addWidget(self.label\_2) self.lineEditPass = QtWidgets.QLineEdit(Form) self.lineEditPass.setObjectName("lineEditPass") self.horizontalLayout\_2.addWidget(self.lineEditPass) self.verticalLayout.addLayout(self.horizontalLayout\_2) spacerItem = QtWidgets.QSpacerItem(20, 40,  QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding) self.verticalLayout.addItem(spacerItem) self.pushButton = QtWidgets.QPushButton(Form) self.pushButton.setObjectName("pushButton") # connected clicked signal of button with insert\_data method self.pushButton.clicked.connect(self.insert\_data) self.verticalLayout.addWidget(self.pushButton) self.labelResult = QtWidgets.QLabel(Form) font = QtGui.QFont() font.setPointSize(14) font.setBold(**True**) font.setWeight(75) self.labelResult.setFont(font) self.labelResult.setText("") self.labelResult.setObjectName("labelResult") self.verticalLayout.addWidget(self.labelResult) self.retranslateUi(Form) QtCore.QMetaObject.connectSlotsByName(Form) Form.setWindowTitle('New User Registration') **def** insert\_data(self): **try**: mydb = mc.connect( host="localhost", user="Student", password="P@$$w0rd", database="MyDB" ) mycursor = mydb.cursor() email = self.lineEditEmaul.text() password = self.lineEditPass.text() sql = "INSERT INTO users (email, password) VALUES (%s, %s)" val = (email, password) mycursor.execute(sql, val) mydb.commit() self.labelResult.setText("Data Inserted") **except** mc.Error **as** e: self.labelResult.setText("Error Inserting Data") **def** retranslateUi(self, Form): \_translate = QtCore.QCoreApplication.translate Form.setWindowTitle(\_translate("Form", "Form")) self.label.setText(\_translate("Form", "Email")) self.label\_2.setText(\_translate("Form", "Password:")) self.pushButton.setText(\_translate("Form", "Insert"))**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\_()) |