

QT6: ????? ????????

Пример для работы с Mysql

```
pip install mysql-connector-python
```

Пример кода для подключения к базе и создания БД:

```
from PyQt6 import QtCore, QtGui, QtWidgets
import mysql.connector as mc

class Ui_Form(object):
    def setupUi(self, Form):
        Form.setObjectName("Form")
        Form.resize(456, 300)
        self.verticalLayout = QtWidgets.QVBoxLayout(Form)
        self.verticalLayout.setObjectName("verticalLayout")
        self.horizontalLayout = QtWidgets.QHBoxLayout()
        self.horizontalLayout.setObjectName("horizontalLayout")
        self.label_dbname = QtWidgets.QLabel(parent=Form)
        font = QtGui.QFont()
        font.setPointSize(14)
        self.label_dbname.setFont(font)
        self.label_dbname.setObjectName("label_dbname")
        self.horizontalLayout.addWidget(self.label_dbname)
        self.lineEdit_dbname = QtWidgets.QLineEdit(parent=Form)
        font = QtGui.QFont()
        font.setPointSize(14)
        self.lineEdit_dbname.setFont(font)
        self.lineEdit_dbname.setText("")
        self.lineEdit_dbname.setObjectName("lineEdit_dbname")
        self.horizontalLayout.addWidget(self.lineEdit_dbname)
        self.verticalLayout.addLayout(self.horizontalLayout)
        spacerItem = QtWidgets.QSpacerItem(20, 40, QtWidgets.QSizePolicy.Policy.Minimum,
QtWidgets.QSizePolicy.Policy.Expanding)
        self.verticalLayout.addItem(spacerItem)
        self.horizontalLayout_2 = QtWidgets.QHBoxLayout()
```

```
self.horizontalLayout_2.setObjectName("horizontalLayout_2")
self.pushButton_dbcreate = QtWidgets.QPushButton(parent=Form)
self.pushButton_dbcreate.setObjectName("pushButton_dbcreate")
self.pushButton_dbcreate.clicked.connect(self.create_db)
self.horizontalLayout_2.addWidget(self.pushButton_dbcreate)
self.pushButton_dbconn = QtWidgets.QPushButton(parent=Form)
self.pushButton_dbconn.setObjectName("pushButton_dbconn")
self.pushButton_dbconn.clicked.connect(self.check_connect)
self.horizontalLayout_2.addWidget(self.pushButton_dbconn)
self.verticalLayout.addLayout(self.horizontalLayout_2)
self.label_result = QtWidgets.QLabel(parent=Form)
font = QtGui.QFont()
font.setFamily("PMingLiU-ExtB")
font.setPointSize(14)
self.label_result.setFont(font)
self.label_result.setText("")
self.label_result.setObjectName("label_result")
self.verticalLayout.addWidget(self.label_result)

self.retranslateUi(Form)
QtCore.QMetaObject.connectSlotsByName(Form)
```

```
def create_db(self):
    try:
        mydb = mc.connect(
            host="192.168.1.193",
            user="root",
            password="rootpassword"
        )
        cursor = mydb.cursor()
        dbname = self.lineEdit_dbname.text()
        cursor.execute("CREATE DATABASE {}".format(dbname))
        self.label_result.setText('Database {} created!'.format(dbname))
    except mc.Error as e:
        self.label_result.setText(str(e))
```

```
def check_connect(self):
    try:
        mydb = mc.connect(
            host="192.168.1.193",
```

```
        user="root",
        password="rootpassword",
        database="pyqtdb"
    )
    self.label_result.setText("Connected!")
except mc.Error as e:
    self.label_result.setText(str(e))

def retranslateUi(self, Form):
    _translate = QtCore.QCoreApplication.translate
    Form.setWindowTitle(_translate("Form", "Form"))
    self.label_dbname.setText(_translate("Form", "Database name:"))
    self.pushButton_dbcreate.setText(_translate("Form", "Create Database"))
    self.pushButton_dbconn.setText(_translate("Form", "Database connection"))

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())
```

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