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#!/usr/bin/python
timeout=1
from PyQt4 import QtCore, QtGui
import serial
import sys
#SERIALPORT = '/dev/ttyACM0'
class Ui_MainWindow(object):
    def setupUi(self, MainWindow):
        MainWindow.setObjectName("MainWindow")
        MainWindow.resize(800, 600)
        MainWindow.setMaximumSize(QtCore.QSize(800, 600))
        self.centralwidget = QtGui.QWidget(MainWindow)
        self.centralwidget.setObjectName("centralwidget")
        self.pushButton = QtGui.QPushButton(self.centralwidget)
        self.pushButton.setGeometry(QtCore.QRect(220, 290, 251, 61))
        self.pushButton.setObjectName("pushButton1")
self.pushButton_2 = QtGui.QPushButton(self.centralwidget)
        self.pushButton_2.setGeometry(QtCore.QRect(680, 510, 85, 27))
        self.pushButton_2.setObjectName("pushButton_2")
        self.textEdit = QtGui.QTextEdit(self.centralwidget)
        self.textEdit.setGeometry(QtCore.QRect(60, 140, 561, 94))
        self.textEdit.setObjectName("textEdit")
        self.lineEdit = QtGui.QLineEdit(self.centralwidget)
        self.lineEdit.setGeometry(QtCore.QRect(60, 50, 461, 25))
        self.lineEdit.setObjectName("lineEdit")
        self.pushButton_3 = QtGui.QPushButton(self.centralwidget)
        self.pushButton_3.setGeometry(QtCore.QRect(220, 370, 251, 61))
        self.pushButton_3.setObjectName("pushButton_3")
        MainWindow.setCentralWidget(self.centralwidget)
        self.menubar = QtGui.QMenuBar(MainWindow)
        self.menubar.setGeometry(QtCore.QRect(0, 0, 800, 27))
        self.menubar.setObjectName("menubar")
        self.menuMenu = QtGui.QMenu(self.menubar)
        self.menuMenu.setObjectName("menuMenu")
        MainWindow.setMenuBar(self.menubar)
        self.statusbar = QtGui.QStatusBar(MainWindow)
        self.statusbar.setObjectName("statusbar")
        MainWindow.setStatusBar(self.statusbar)
        self.menubar.addAction(self.menuMenu.menuAction())
        self.retranslateUi(MainWindow)
        #QtCore.QObject.connect(MainWindow,"
                         #" QtCore.SIGNAL("destroyed()"), MainWindow.deleteLater)
        QtCore.QObject.connect(self.pushButton,
                         QtCore.SIGNAL("clicked()"), azz.invia arduino on)
        QtCore.Q0bject.connect(self.pushButton_3,
                         QtCore.SIGNAL("clicked\overline{()}"), azz.invia arduino off)
        OtCore.OObject.connect(self.pushButton 2,
                         QtCore.SIGNAL("clicked()"), azz.quit_gui)
        QtCore.QMetaObject.connectSlotsByName(MainWindow)
    def retranslateUi(self, MainWindow):
        MainWindow.setWindowTitle(QtGui.QApplication.
                         translate("MainWindow", "Python QT e Arduino Esercizio 5 00P",
                        None, QtGui.QApplication.UnicodeUTF8))
        self.pushButton.setText(QtGui.QApplication.
                         translate("MainWindow", "+1"
                        None, QtGui.QApplication.UnicodeUTF8))
        self.pushButton_2.setText(QtGui.QApplication.
                         translate("MainWindow", "Quit", None,
                        QtGui.QApplication.UnicodeUTF8))
        self.lineEdit.setText(QtGui.QApplication.
                         translate("MainWindow", "Prova 00P"
                        None, QtGui.QApplication.UnicodeUTF8))
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self.pushButton_3.setText(QtGui.QApplication.
                         translate("MainWindow", "-1",
                         None, QtGui.QApplication.UnicodeUTF8))
        self.menuMenu.setTitle(QtGui.QApplication.
                         translate("MainWindow", "Menu",
                         None, QtGui.QApplication.UnicodeUTF8))
        ui.textEdit.append("Contatore:")
class Azioni():
        def __init__(self):
    self.a=0
        def invia_arduino_on(self):
                testo_arduino = "0"
                #arduino.write(testo_arduino)
                msg="Acceso Led 13"
                self.a+=1
                #ui.lineEdit.setText(msg)
                ui.lineEdit.setText(str(self.a))
                ui.textEdit.append(str(self.a))
                #ui.lineEdit.setText("primo")
        def invia_arduino_off(self):
                testo_arduino = "1"
                #arduino.write(testo_arduino)
                #global a
                self.a-=1
                msg="Spento Led 13"
                ui.lineEdit.setText(str(self.a))
                #ui.lineEdit.setText(msg)
                ui.textEdit.append(str(self.a))
        def quit_gui(self):
                quit()
    name == " main
    \overline{\#}arduino = serial.\overline{S}erial(SERIALPORT, 9600, timeout=1)
    azz=Azioni()
    app = QtGui.QApplication(sys.argv)
    MainWindow = QtGui.QMainWindow()
    ui = Ui MainWindow()
    ui.setupUi(MainWindow)
    MainWindow.show()
    sys.exit(app.exec_())
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arduino.close()