Actividad 04 -

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SEMINARIO DE SOLUCION DE PROBLEMAS DE ALGORITMIA

Lineamientos de evaluación

- Se muestra la captura de pantalla de la interfaz de usuario corriendo desde Python con los widgets para representar la información de una partícula (como se definió en el punto 1 de las instrucciones)

Desarrollo

Conclusiones

Hubo una complicación ya que en cierto punto me encontraba con el error

pero con la ayuda de varios compañeros logre solucionarlo y lograr que corriera

Código

```python
from PySide2.QtWidgets import QMainWindow
from ui_mainwindow import Ui_MainWindow

class MainWindow(QmainWindow):
    def __init__(self):
        super(MainWindow, self).__init__()
        ui = Ui_MainWindow()
        ui.setupUi(self)
```

```python
from PySide2.QtWidgets import QApplication
from mainwindow import MainWindow
import sys

app = QApplication()
window = MainWindow()
window.show()
sys.exit(app.exec_)
```

```python
# -*- coding: utf-8 -*-

################################################################################
####
```

```python
## Form generated from reading UI file 'MainWindow.ui'
##
## Created by: Qt User Interface Compiler version 5.15.2
##
## WARNING! All changes made in this file will be lost when recompiling UI
file!
################################################################################
####

from PySide2.QtCore import *
from PySide2.QtGui import *
from PySide2.QtWidgets import *


class Ui_Dialog(object):
    def setupUi(self, Dialog):
        if not Dialog.objectName():
            Dialog.setObjectName(u"Dialog")
        Dialog.resize(357, 379)
        self.groupBox = QGroupBox(Dialog)
        self.groupBox.setObjectName(u"groupBox")
        self.groupBox.setGeometry(QRect(30, 10, 311, 351))
        self.gridLayout = QGridLayout(self.groupBox)
        self.gridLayout.setObjectName(u"gridLayout")
        self.lineEdit_6 = QLineEdit(self.groupBox)
        self.lineEdit_6.setObjectName(u"lineEdit_6")

        self.gridLayout.addWidget(self.lineEdit_6, 0, 0, 1, 1)

        self.spinBox = QSpinBox(self.groupBox)
        self.spinBox.setObjectName(u"spinBox")

        self.gridLayout.addWidget(self.spinBox, 0, 1, 1, 1)

        self.lineEdit_5 = QLineEdit(self.groupBox)
        self.lineEdit_5.setObjectName(u"lineEdit_5")

        self.gridLayout.addWidget(self.lineEdit_5, 1, 0, 1, 1)

        self.spinBox_6 = QSpinBox(self.groupBox)
        self.spinBox_6.setObjectName(u"spinBox_6")

        self.gridLayout.addWidget(self.spinBox_6, 1, 1, 1, 1)

        self.lineEdit_4 = QLineEdit(self.groupBox)
```

```python
        self.lineEdit_4.setObjectName(u"lineEdit_4")

        self.gridLayout.addWidget(self.lineEdit_4, 2, 0, 1, 1)

        self.spinBox_5 = QSpinBox(self.groupBox)
        self.spinBox_5.setObjectName(u"spinBox_5")

        self.gridLayout.addWidget(self.spinBox_5, 2, 1, 1, 1)

        self.lineEdit_3 = QLineEdit(self.groupBox)
        self.lineEdit_3.setObjectName(u"lineEdit_3")

        self.gridLayout.addWidget(self.lineEdit_3, 3, 0, 1, 1)

        self.spinBox_4 = QSpinBox(self.groupBox)
        self.spinBox_4.setObjectName(u"spinBox_4")

        self.gridLayout.addWidget(self.spinBox_4, 3, 1, 1, 1)

        self.lineEdit = QLineEdit(self.groupBox)
        self.lineEdit.setObjectName(u"lineEdit")

        self.gridLayout.addWidget(self.lineEdit, 4, 0, 1, 1)

        self.spinBox_3 = QSpinBox(self.groupBox)
        self.spinBox_3.setObjectName(u"spinBox_3")

        self.gridLayout.addWidget(self.spinBox_3, 4, 1, 1, 1)

        self.lineEdit_2 = QLineEdit(self.groupBox)
        self.lineEdit_2.setObjectName(u"lineEdit_2")

        self.gridLayout.addWidget(self.lineEdit_2, 5, 0, 1, 1)

        self.spinBox_2 = QSpinBox(self.groupBox)
        self.spinBox_2.setObjectName(u"spinBox_2")

        self.gridLayout.addWidget(self.spinBox_2, 5, 1, 1, 1)


        self.retranslateUi(Dialog)

        QMetaObject.connectSlotsByName(Dialog)
    # setupUi
```

```python
    def retranslateUi(self, Dialog):
        Dialog.setWindowTitle(QCoreApplication.translate("Dialog",
u"Dialog", None))
        self.groupBox.setTitle(QCoreApplication.translate("Dialog",
u"GroupBox", None))
        self.lineEdit_6.setText(QCoreApplication.translate("Dialog",
u"Destino X:", None))
        self.lineEdit_5.setText(QCoreApplication.translate("Dialog",
u"Destino y:", None))
        self.lineEdit_4.setText(QCoreApplication.translate("Dialog",
u"Vlocidad:", None))
        self.lineEdit_3.setText(QCoreApplication.translate("Dialog",
u"Rojo:", None))
        self.lineEdit.setText(QCoreApplication.translate("Dialog",
u"Verde:", None))
        self.lineEdit_2.setText(QCoreApplication.translate("Dialog",
u"Azul", None))
    # retranslateUi
```