

Sujet N 3

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from PyQt5.uic import loadUi

from PyQt5.QtWidgets import
QApplication, QMessageBox, QTableWidgetItem, QTableWidgetItem

def Rotation(ch):

    res=""

    for i in range(len(ch)):

        res=res+chr(97+(ord(ch[i])-97+13)%26)

    return res

def miroir(ch):

    res=""

    for i in range(len(ch)):

        res=ch[i]+res

    return res

def verif(ch):

    nb=0

    for i in range(len(ch)):

        if('a'<=ch[i]<='z'):

            nb=nb+1

    return nb==len(ch) and (len(ch)<10)

def rotation_miroir(ch):

    return miroir(Rotation(ch))

def play():

    CH=windows.ch.text()

    if not(verif(CH)):

        windows.res.setText("veuillez introduire
une chaine valide")

    else:

        windows.res.setText(rotation_miroir(CH))
```

```
app = QApplication([])

windows = loadUi
("InterfaceRotationMiroir.ui")

windows.show()

windows.crypter.clicked.connect (play)

app.exec_()
```

