Curso python + openpyxl (excel)

python

- udemy
- https://www.udemy.com/course/python-learn-how-to-read-write-and-manipulate-excel-files/learn/lecture/8080232#overview

2.Python - Working with Sheet

```
import openpyxl
import os

os.getcwd()
os.chdir(path)

wb=openpyxl.load_workbook('...xlsx')
type(wb)
wb.get_sheet_names()
```

```
sheet=wb.get_sheet_by_name('pestanya')
type(sheet)
sheet.title
sheet.max_row
sheet.max_column
sheet.title='nou nom'
wb.save('file.xlsx')
```

```
wb.create_sheet(index=<posición>,title='titol')

std=wd.get_sheet_by_name('titol')
wb.remove_sheet(std)

wb.save('file.xlsx')
```

```
sheet=wb.get_sheet_by_name('pestanya')
sheet['B2'].value
sheet['B2']='nou valor'

e=sheet['B2']
e.value
e.row
e.column
e.value='nou valor'

e=sheet.cell(row=2,column=2)

wb.save('file.xlsx')
```

3.Reading and Writing Rows in Excel

```
for i in range(1,sheet.max_column+1):
```

```
  e=sheet.cell(row=1,column=i)
  print(e.value,end=' ')

lista = []
for i in range(1,5):
  e=sheet.cell(row=5,column=i)
  lista.append(e.value)
```

```
for i in range(0,len(lista)):
  e=sheet.cell(row=10,column=7+i)
  e.value=list[i]

wb.save('file.xlsx')
```

4.Reading and Writing Column and later Grid in a Sheet

```
for i in range(1,sheet.max_row+1):
  e=sheet.cell(row=j,column=2)
  print(e.value)

lista = []
for i in range(1,5):
  e=sheet.cell(row=i,column=2)
  lista.append(e.value)

wb2=openpyxl.load_workbook('file2.xlsx')
sheet2=wb2.get_sheet_by_name('Sheet3')
for i in range(0,len(lista)):
  e=sheet2.cell(row=10+i,column=2)
  e.value=listb[i]

wb2.save('file2.xlsx')
```

```
### define 2D list
rows=6
columns=4
lista=[]
for i in range(1,rows+1):
  lista.append([]) # add list into a list

# read data
for r in range(1,rows+1):
  for c in range(1,columns+1):
    e=sheet.cell(row=r,column=c)
    lista[r-1].append(e.value)

# write data
for r in range(1,rows+1):
  for c in range(1,columns+1):
    j=sheet2.cell(row=r,column=c)
    j.value=lista[r-1][c-1]

# save
```