Sprint 2, Task 1: Jupyter Notebook and Markdown

Level 1

Exercice 1

Using Jupyter Notebook execute some simple calculations, while getting familiar with Markdown language.

Exercices 2 and 3

Try creating titles, lists, changing font style or adding images to the Notebook.

This is the Notebook

In here we:

Install Anaconda and Jupyter Notebook.

· Have a nice time • Try to learn

Where content comes to be created

Program in Python

Ifotito

print("Hello world!")

operation = a ** (a - 2)

Simple printing

Playing with input function

Hello world!

a = int(input("Insert a number: "))

print(operation)

Insert a number: 9

For loops and indexing strings

for i in "Major String": print(i)

М

S

In [4]: # Creating a class with its getters

self.age = age

self.personality = personality

print(f"Hi! I'm {self.personality} and I like Python!")

class Character:

GETTERS

print(Joanet.getAge()) print(Joanet.speak())

def getAge(self):

return self.age

def getPersonality(self):

Joanet = Character(21, "gentle")

Hi! I'm gentle and I like Python!

Save the Notebook as PDF and HTML

!pip install pyppeteer

Installing required programs and transforming to PDF

(from nbformat>=4.4->nbconvert->notebook-as-pdf) (3.2.0)

rom pyppeteer->notebook-as-pdf) (9.1)

m pyppeteer->notebook-as-pdf) (4.56.0)

b-metadata>=1.4->pyppeteer->notebook-as-pdf) (3.4.1)

!pip install jupyter_contrib_nbextensions

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!python -m pip install -U notebook-as-pdf

!jupyter-nbconvert --to PDFviaHTML S2\ T1.ipynb

return self.personality

def __init__(self, age, personality): def speak(self):

File -> download as -> HTML

In [24]:

None

Level 2

Exercice 1

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Level 3

Exercice 1

Install nbextensions

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>notebook>=4.0->jupyter contrib nbextensions) (0.1.2) Requirement already satisfied: jedi>=0.16 in /Users/pau/opt/anaconda3/lib/python3.8/site-packages (from ipython ->jupyter-latex-envs>=1.3.8->jupyter_contrib_nbextensions) (0.17.2) Requirement already satisfied: decorator in /Users/pau/opt/anaconda3/lib/python3.8/site-packages (from ipython->jupyter-latex-envs>=1.3.8->jupyter contrib nbextensions) (5.0.6) $\label{eq:condition} \textbf{Requirement already satisfied: prompt-toolkit!=3.0.0, !=3.0.1, <3.1.0, >=2.0.0 in /Users/pau/opt/anaconda3/lib/pyt}.$ hon3.8/site-packages (from ipython->jupyter-latex-envs>=1.3.8->jupyter contrib nbextensions) (3.0.17) Requirement already satisfied: backcall in /Users/pau/opt/anaconda3/lib/python3.8/site-packages (from ipython->

Requirement already satisfied: pyparsing>=2.0.2 in /Users/pau/opt/anaconda3/lib/python3.8/site-packages (from p ackaging->bleach->nbconvert>=4.2->jupyter contrib nbextensions) (2.4.7)