

# Tasca1\_Jupyter\_Markdown

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## 1 Tasca 1 : Jupyter Markdown

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### 1.1 Nivell 1

#### 1.1.1 Exercici 1

Instal·la el programa Anaconda amb Python 3, i Jupyter Notebook.

#### 1.1.2 Exercici 2

Utilitzant Jupyter Notebook executa alguns càlculs senzills, a la vegada que et familiaritzes amb el llenguatge Markdown.

```
[1]: 1 + 2
```

```
[1]: 3
```

```
[2]: print(f'Hello World!')
```

```
Hello World!
```

```
[3]: x = [1,2,3]
x
```

```
[3]: [1, 2, 3]
```

```
[4]: x.append(4)
x
```

```
[4]: [1, 2, 3, 4]
```

```
[5]: text = "Hola, em dic" + " " + "Roger"
print(text)
```

```
Hola, em dic Roger
```

#### 1.1.3 Exercici 3

Prova de crear títols, llistes, canviar l'estil de la lletra o afegir imatges dins del Notebook.

## 2 Titol 1

### 2.1 Subtitol 1

#### 2.1.1 Subsubtitol 1

Llista no ordenada: - item 1 - item 2 - item 3

Llista ordenada: 1. item 1 2. item 2

2.1 subitem 1

*negreta*

**italic**

***negreta i italic***



Foto de un gat a partir de una carpeta:

### 2.2 Nivell 2

#### 2.2.1 Exercici 1

Exporta el Notebook com a pdf i com a html.

Solució: Veure Tasca1\_Jupyter\_Markdown.pdf i Tasca1\_Jupyter\_Markdown.html

### 2.3 Nivell 3

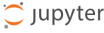
#### 2.3.1 Exercici 1

Instal·la Nbextensions al Notebook de Jupyter.


Instal·lació:

```
conda install -c conda-forge jupyter_contrib_nbextensions
```

Activo una nbextension per exemple la que permet col·lapsar els títols

 Quit Logout

Files Running Clusters Nbextensions

**Configurable nbextensions** 

☐ disable configuration for nbextensions without explicit compatibility (they may break your notebook environment, but can be useful to show for nbextension development)

filter:

<input type="checkbox"/> (some) LaTeX environments for Jupyter	<input type="checkbox"/> 2to3 Converter	<input type="checkbox"/> AddBefore	<input type="checkbox"/> Autopep8
<input type="checkbox"/> AutoSaveTime	<input type="checkbox"/> Autoscroll	<input type="checkbox"/> Cell Filter	<input type="checkbox"/> Code Font Size
<input type="checkbox"/> Code prettify	<input type="checkbox"/> Codefolding	<input type="checkbox"/> Codefolding in Editor	<input type="checkbox"/> CodeMirror mode extensions
<input checked="" type="checkbox"/> Collapsible Headings	<input type="checkbox"/> Comment/Uncomment Hotkey	<input checked="" type="checkbox"/> contrib_nbextensions_help_item	<input type="checkbox"/> datestamper
<input type="checkbox"/> Equation Auto Numbering	<input type="checkbox"/> ExecuteTime	<input type="checkbox"/> Execution Dependencies	<input type="checkbox"/> Exercise
<input type="checkbox"/> Exercise2	<input type="checkbox"/> Export Embedded HTML	<input type="checkbox"/> Freeze	<input type="checkbox"/> Gist-it
<input type="checkbox"/> Help panel	<input type="checkbox"/> Hide Header	<input type="checkbox"/> Hide input	<input type="checkbox"/> Hide input all
<input type="checkbox"/> Highlight selected word	<input type="checkbox"/> highlighter	<input type="checkbox"/> Hinterland	<input type="checkbox"/> Initialization cells
<input type="checkbox"/> isort formatter	<input checked="" type="checkbox"/> jupyter-js-widgets/extension	<input type="checkbox"/> Keyboard shortcut editor	<input type="checkbox"/> Launch QTConsole