

This is my first Notebook using Jupyter!

Lets do some calculus

```
In [24]: x = 5
y = int(input("Enter an integer number"))
add = x + y

print("If we add 5 to your number the result is: " + str(add) + " :")
```

Enter an integer number25
If we add 5 to your number the result is: 30 :)

Well done! We have done our **first mathematical operation!** 🧐

```
In [29]: z = float(input("Now, enter a float number"))
div = round((add / z), 3)
print("The addition we made before, divided by your number (and rounded to the 3rd d
```

Now, enter a float number3.3
The addition we made before, divided by your number (and rounded to the 3rd decimal if it necessary) is: 9.091

I've just discovered how to enter in the command mode!!! 🧐 🧐

```
In [26]: your_numbers = [x, y, add, z, div]

print("The used numbers are:")
print(your_numbers)
```

The used numbers are:
[5, 25, 30, 3.3, 9.091]

Now we have:

- A default number
- Two numbers chosen by you
- Two operations:
 - Addition
 - Division

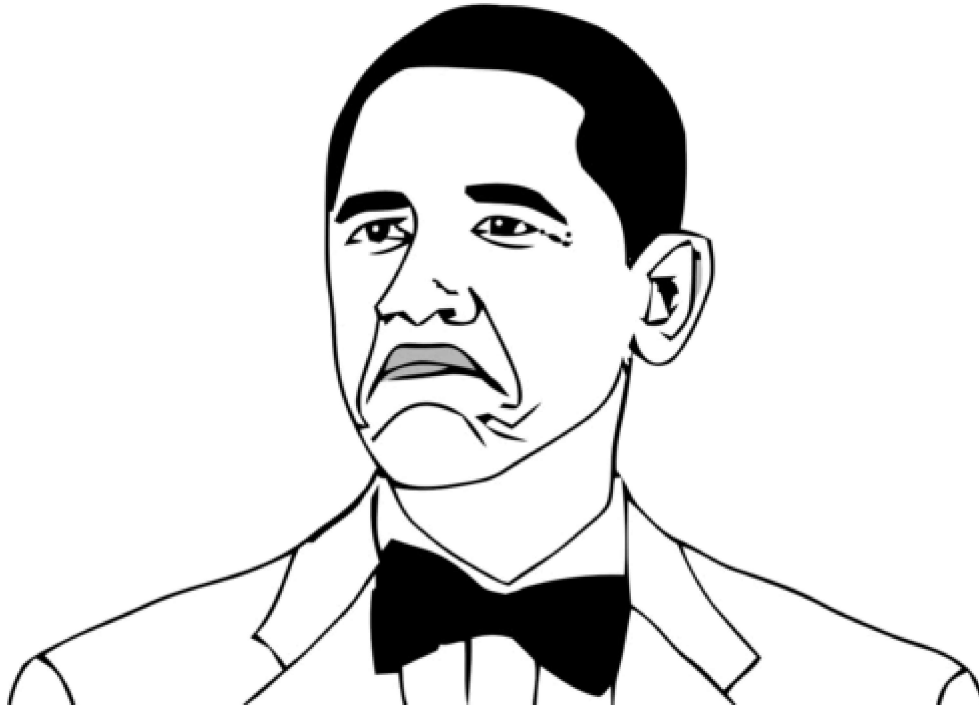
```
In [30]: my_variables = ["my_num1", "your_num1", "addition", "your_num2", "division"]
dict_numbers = {my_variables[i]:your_numbers[i] for i in range(len(my_variables))}

print("Each number correspond to: ")
print(dict_numbers)
```

Each number correspond to:
{'my_num1': 5, 'your_num1': 25, 'addition': 30, 'your_num2': 3.3, 'division': 9.091}

We have all the numbers in a dictionary, using some keys to distinguish them!

Not bad for my first Jupyter Notebook!!!



New discovery!!! I can upload images in two diferent ways:

1. As before, using "html" syntax: `< img src="url" alt=" " title=" " />`
2. Or using this syntax: `![alt text here](url-to-image-here)\`



After installing the nbextensions, I enabled some of the options and my toogle bar looks like it follows:



```
In [31]: dict_keys = list(dict_numbers.keys())
          dict_values = list(dict_numbers.values())
```

Whith this extension, I can show variables in a marckdown cell as this one. The previous calculus we have done were stored in the dictionary variable "dict_numbers" and it contains the following:

Index	0	1	2	3	4

Index	0	1	2	3	4
Key	{{dict_keys[0]}}	{{dict_keys[1]}}	{{dict_keys[2]}}	{{dict_keys[3]}}	{{dict_keys[4]}}
Value	{{dict_values[0]}}	{{dict_values[1]}}	{{dict_values[2]}}	{{dict_values[3]}}	{{dict_values[4]}}

I've just realized that in the HTML export or in the PDF export, the dict_keys and dict_values don't appear inside the table. Running this markdown cell with jupyter we see this:

Index ↕	0 ↕	1 ↕	2 ↕	3 ↕	4 ↕
Key	my_num1	your_num1	addition	your_num2	division
Value	5	25	30	3.3	9.091

Lets continue having fun :)!