

Obtain the following results using *markdown* and Python code

Part 1

This is a simple demonstration of the Python language:

```
In [1]: a = 5  
        b = 6  
        print(a)
```

5

We can do:

$$c = a^b$$

```
In [2]: c = a ** b  
        c
```

```
Out[2]: 15625
```

Part 2

And then modify the **b variable** and check for changes in **c**:

```
In [3]: b = 8  
c
```

```
Out[3]: 15625
```

Nothing changed!

Part 3

A better idea is to define a function:

```
In [4]: def f(a, b):  
        print(f"'a'={a} and 'b'={b}")  
        return a**b  
  
        f(a, b)
```

'a'=5 and 'b'=8

```
Out[4]: 390625
```

Perfect !

- a function was defined...
- ... and changes in `c` were taken into account

