

In []:

```
# Day objectives:  
- installation  
- python introduction  
- jupyter notebook  
- markdown format
```

In []:

```
a- above  
b- below  
To Run the program - shift+Enter
```

In [2]:

```
print("Hello Everyone")
```

Hello Everyone

```
# heading1  
## heading2  
### heading3  
#### heading4  
##### heading5  
##### heading6  
##### heading
```

```
* python
```

```
* bold  
* italic  
* bolditalic
```

```
* Normal text  
  * sublist1  
  * sublist2
```

```
1. ordered list1  
2. ordered list2
```

Python introduction:

In []:

```
# what is python:  
- python is a simple,general purpose,interpreted scripting language,highlevel,object orient  
- Created by Guido van Rossum and first released in 1991  
- guido van rossum started implementing python in 1989, and released in 1991
```

In []:

```
# why python named as python?
```

```
- the name came from BBC's comedy television show -'monty python's flying circus'(from 1970'  
as he was a big fan of the tv show.
```

In []:

```
# python features:
```

```
1) easy syntax to learn and use  
2) expressive language(more understandable and more readable)  
3) interpreted language(it will execute line by line)# it will check line by line  
4) cross-platform language  
5) free and opensource  
6) object-oriented  
7) extensible  
8) large standard library  
9) gui programming support  
10)integrated  
11)dynamically typed language(idt doesn't know about)
```

In []:

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# applictions of python?
```

```
1) webdevelopment(google,youtube,instagram,drop box....etc)  
2) data science  
3) data visualization  
4) scinetific computing  
5) machine learning  
6) gui based applicatons  
7) game development  
8) artificial intelligence  
9) enterprise applications  
10) buisness applications  
11) multi media  
12) software development.....etc
```

In []:

```
# python versions:
```

```
- python 1.0 jan 1994  
- python 2.0 oct 2000  
- python 3.0 dec 2008  
- python 3.8.5 july 2020(latest version)
```

In []: