

# Good Morning Everyone

## Welcome to Day2 Session of Python Programming

<http://www.literateprogramming.com/knuthweb.pdf> (<http://www.literateprogramming.com/knuthweb.pdf>)

In [1]:

```
print("Hello World")
```

Hello World

## Different Python IDE

1. Python IDLE
2. Pycharm
3. Atom
4. VS Code
5. Sublime Text
6. Notebook++
7. Spyder

The Above IDEs will be used for working on .py files

1. Jupyter Notebook
2. Google Colab
3. DataLab
4. JupyterLab

The Above IDEs will be used for working on .ipynb files

.ipynb --> Interactive PYthon NotebBook files

## Markdown Syntax

**## - Heading2**

**### - Heading3**

**#### - Heading4**

**##### - Heading5**

**##### - Heading6**

To Execute the Cell - ShiftEnter

## Shortcuts for Jupyter Notebook

1. ShiftEnter - To execute the current cell
2. Esc M - Converting the Code cell into Markdown Cell
3. Esc Y - For Converting Markdown Cell into Code cell
4. Esc A - To insert New cell above the current cell
5. Esc B - To insert New cell below the current cell
6. ESC DD - to Delete the current cell
7. Esc L - to Insert/Remove the Line Numbers for the current cell
8. Esc P - For more Shortcuts

## Syntax for Ordered List

### Python Programming Advantages

1. Easy to Write
2. Easy to Learn
  - A. Open Source and Large Community
    - a. Python

## Unordered List

### Python Programming Advantages

- Easy to Write
- Easy to Learn
  - Open Source and Large Community
    - Python

 *Image\_Description*



[Link Description \(External link\)](#)

[Python Logo Reference Link \(https://www.python.hon-logo-master-v3-TM.png\)](https://www.python.hon-logo-master-v3-TM.png)

# Heading

## Heading2

## Python Programming

### Display Output

```
print(data)
```

In [5]:

```
print("Hello World")
```

Hello World

### Input from the user

```
input("Description")
```

In [7]:

```
input("Enter Some Data: ")
```

Enter Some Data: Hello

Out[7]:

'Hello'

In [8]:

```
print("Hello World")
```

Hello World

### Data Types

1. int - Integer Numbers
2. float - Floating Numbers
3. string - Single/GroupOf characters

### Variable

It is thing which stores some value

## Properties of Identifier

Identifier is a name given to the variable, classes, functions.

## Rules

1. identifier should start with either alphabets[a-zA-Z] or \_(underscore)
2. identifier accepts numbers also
3. it can not contain spaces and special symbols

In [13]:

```
a = 10
_a = 25.5
a1 = "Valid"
# 9a = "In valid"
# a*6s_ = "Invalid"
```

## Checking the Datatype

type(Valid\_Variable)

In [14]:

```
print(type(a), type(_a), type(a1))
```

```
<class 'int'> <class 'float'> <class 'str'>
```

In [15]:

```
type(a)
type(_a), type(a1)
```

Out[15]:

```
(float, str)
```