

Introduction

Installation And Version Checking

- Installation

- Download Python.exe according to your pc from Python.org
- Double click / run as Administrator
- Click on “Add to Path”
- Click All Installation

Check Python is Installation

- Open Cmd
- Type Python --version or
- Type Py --version

First Program

- Type Python/Py
- After that
 Print(“Hello World”);
- Run This in idle

Comments

- # - One line Comments.
 - `print("Hello, World!") #This is a comment`
 - `#print("Hello, World!")`
`print("Cheers, Mate!")`
- `""" ----- """` – Multi Line Comments
 - `"""`
This is a comment
written in
more than just one line
`"""`
`print("Hello, World!")`

Variables

- Python has no command for declaring a variable.
- A variable is created the moment you first assign a value to it.
 - `X=5;`
 - `Y="john";`
 - `Print(x);`
 - `Print(y);`
- ```
x = 4 # x is of type integer
x = "Sally" # x is now of type string
print(x)
```



# Assigning Multiple Values

- `x, y, z = "Orange", "Banana", "Cherry"`  
`print(x)`  
`print(y)`  
`print(z)`
- `x = y = z = "Orange"`  
`print(x)`  
`print(y)`  
`print(z)`

# Numbers Types:

- `x = 1    # int`  
`y = 2.8   # float`  
`z = 1j    # complex`
- `print(type(x))`  
`print(type(y))`  
`print(type(z))`
- Exercise:
- `x = 1`  
`y = 35656222554887711`  
`z = -3255522`



# Casting

- Integers:
  - `x = int(1)` # x will be 1
  - `y = int(2.8)` # y will be 2
  - `z = int("3")` # z will be 3
- Floats:
  - `x = float(1)` # x will be 1.0
  - `y = float(2.8)` # y will be 2.8
- Strings:
  - `x = str("s1")` # x will be 's1'
  - `y = str(2)` # y will be '2'
  - `z = str(3.0)` # z will be '3.0'