



Python Basic Data Types

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Contents

01.

Tiger Woods &
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02.

Data & Data types

03.

String

04.

Numbers

05.

Variables

06.

Input(), format(), f-string



Data & Data type

- Data
- Data type
- Why data?
- type()
 - `>>> print(type("Hello World"))`
 - `>>> print(type(7501))`

String

An aerial photograph of a park featuring a large, flower-shaped pond. In the center of the pond is a fountain with multiple tiers of water spraying outwards, forming a circular pattern. The pond is surrounded by a paved walkway, benches, and lush green trees. A small building with a grid-like roof is visible on the right side of the pond.

- "Hello World"
- 'Goodbye World'
- He said "Hello World"
- Escape character
 - [Python Escape Characters \(w3schools.com\)](https://www.w3schools.com/python/python_strings_escape.asp)
- Multiline strings

String

- Concatenate strings
- Indexing
- Slicing
- len()
- <https://docs.python.org/3/tutorial/introduction.html#text>

Numbers

- Integer
- Floating point number
- Operators
 - [Python Operators \(w3schools.com\)](https://www.w3schools.com/python/operators/)
- Precedence
- <https://docs.python.org/3/tutorial/introduction.html#numbers>

Variables

- Creating variables, Naming variables
- Reference : id()
- Operators
 - [Python Operators \(w3schools.com\)](https://www.w3schools.com/python/operators/)
- Augmented assignment operators
 - https://www.w3schools.com/python/gloss_python_assignment_operators.asp

input() function

- `>>> input("Enter your name : ")`
- Casting
 - [Python Casting \(w3schools.com\)](https://www.w3schools.com/python/python_casting.asp)
- Exercise
 - Convert inches into centimeters.
 - Convert Fahrenheit into Celsius.

format() function, string methods, f-strings

- <https://docs.python.org/3/tutorial/inputoutput.html>
- [Python - String Methods \(w3schools.com\)](https://www.w3schools.com/python/python_string_methods.asp)
- <https://docs.python.org/3/library/string.html>



Further Studies

- <https://youtu.be/BKj3fnPSUIQ?si=aW4KW3cT-n51ugis>
- <https://youtu.be/V27XkmVPqYQ?si=JEqaYY4USVUHFF5q>
- <https://www.djangoproject.com/>
- <https://realpython.com/>



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