# Python Full stack Skills Bootcamp



## Introducing Python

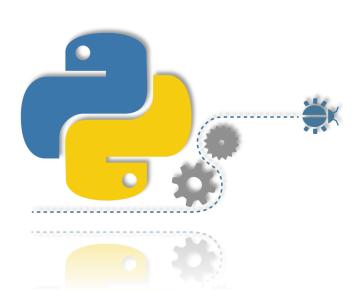
#### ■ What is Python?

Python is a high-level, interpreted programming language known for its easy-to-read syntax and versatility.

#### ■ History of Python.

Python, created by Guido van Rossum and first released in 1991, emphasizes code readability and supports multiple programming paradigms, including procedural, object-oriented, and functional programming.

Key Features of Python.







## Data Types in Python

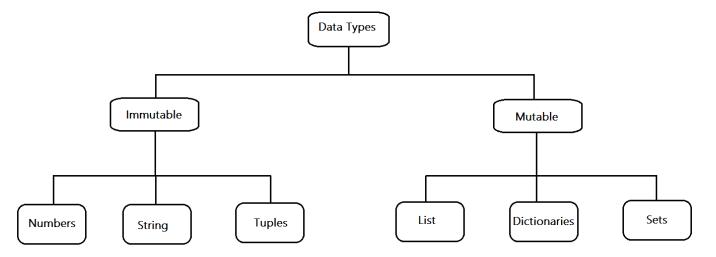
■ What are datatypes?

Data types classify the kind of data a variable can hold in programming.

■ Importance of datatypes.

Memory Management, Type Safety, Code Clarity

- Key datatypes in Python
  - Mutable
  - Immutable





# Variables in Python

■ What are variables?

Variables are symbolic names that store data values.

■ Creating constants.





■ Variable Naming Conventions.

Should be descriptive, Use lowercase letters with underscores (snake\_case)



# Constants in Python

■ What are constants?

Constants are variables that are meant to remain unchanged throughout the program.

■ Creating constants.





Naming Conventions.

By convention, constants are written in **uppercase**.



### Conclusion

- Variables and constants are foundational concepts in Python.
- Understanding data types helps write efficient and error-free code.

