🐍 Python Course - Day 003

🗄 Dealing with data

Our apps contain code and data. Let's break it down:

Code   →   Manages Data   →

Stored in Memory

Data Categories:
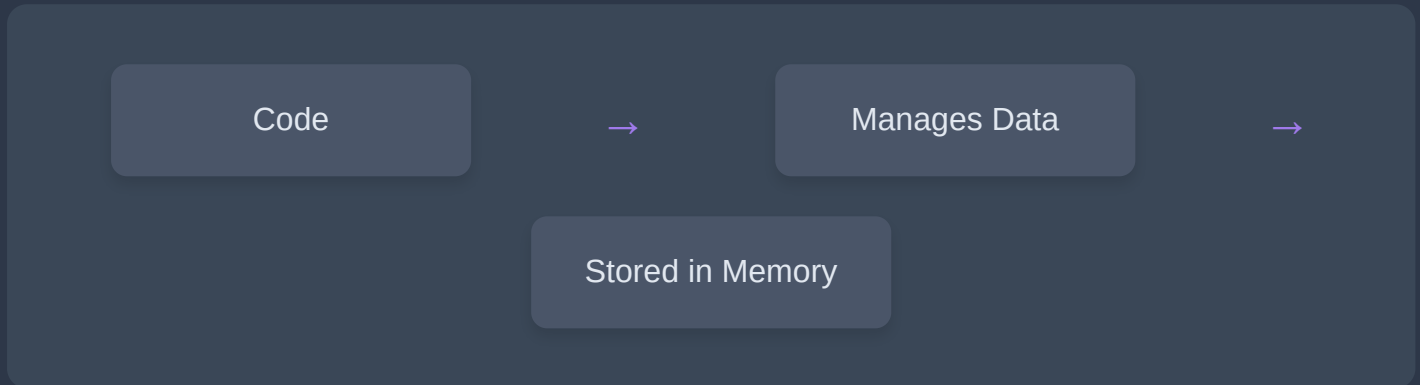
Num	**String**	**Booleans**
Age, Phone, Salary	Names, Event titles	Yes/No conditions
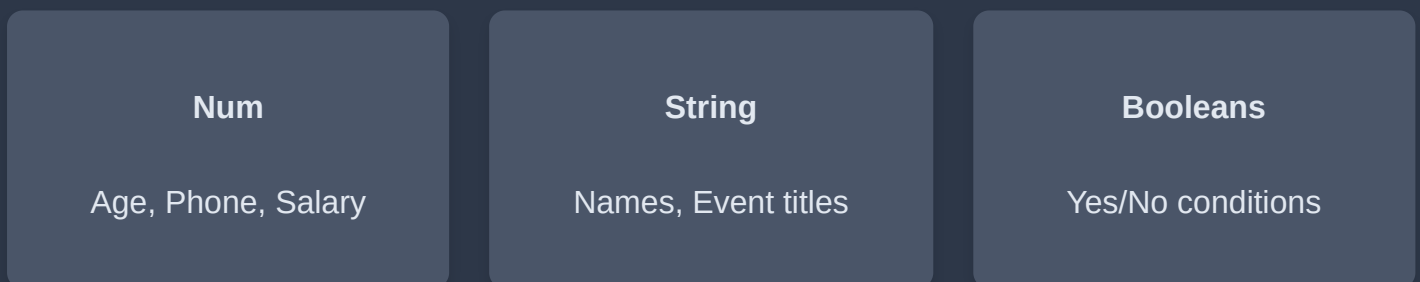
Key Concepts:

- Variables refer to data in memory
- Code performs operations: Add, Edit, Delete

</> Data Types Overview

In Python, everything is an object. Let's explore some common data types:

int Whole numbers	**float** Decimal numbers	**str** Text data	**list** Ordered collection
tuple Immutable collection	**dict** Key-value pairs	**bool** True or False	

Example Code:

```python
# Check types
print(type(10))         # int
print(type(10.9))       # float
print(type("hello"))    # str
print(type([1, 2, 3]))  # list
print(type((1, 2, 3)))  # tuple
print(type({"a": 1}))   # dict
print(type(True))       # bool
```