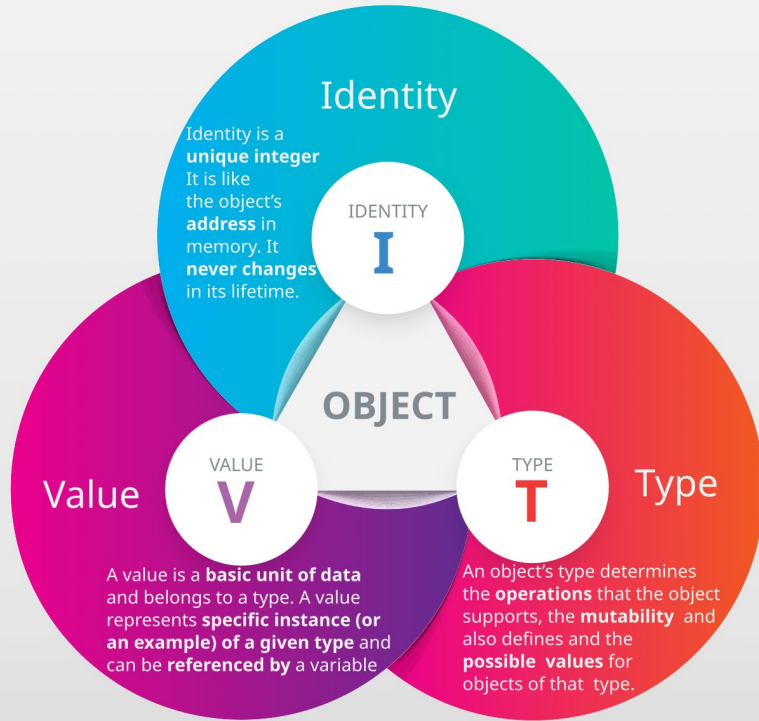


Python Data Model

Every object has an identity, a type and a value



Python Data Model

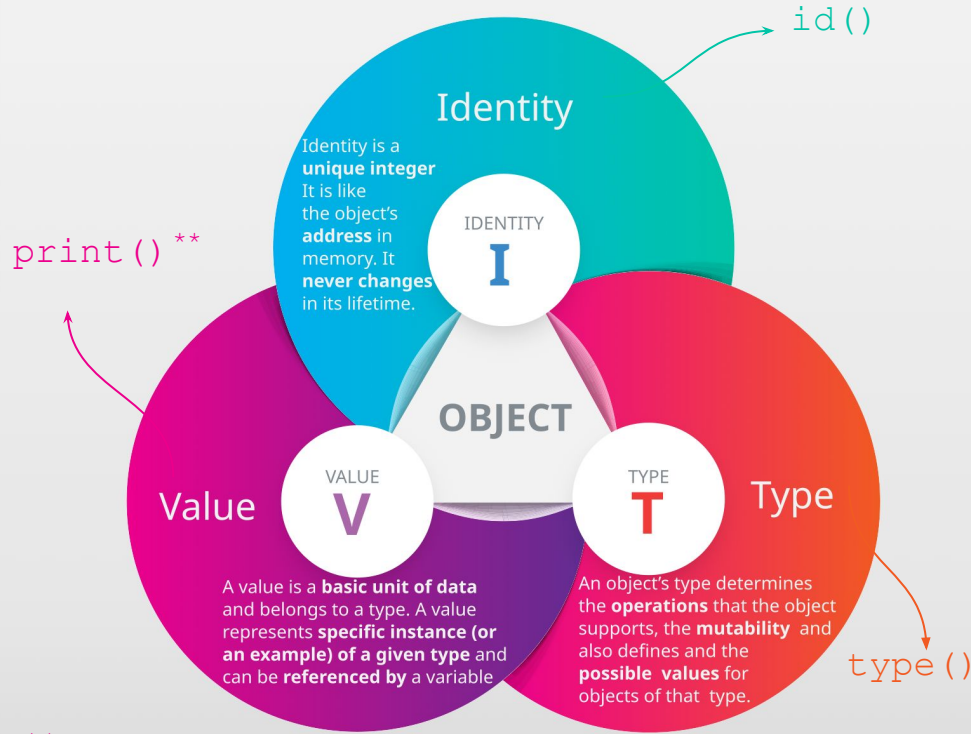
Any data in python is represented by an **object** or by relationships between objects.

Every object has:

1. an **identity**
2. a **type**
3. a **value**

Python Data Model

Every object has an identity, a type and a value



** or
inspect

Python Data Model

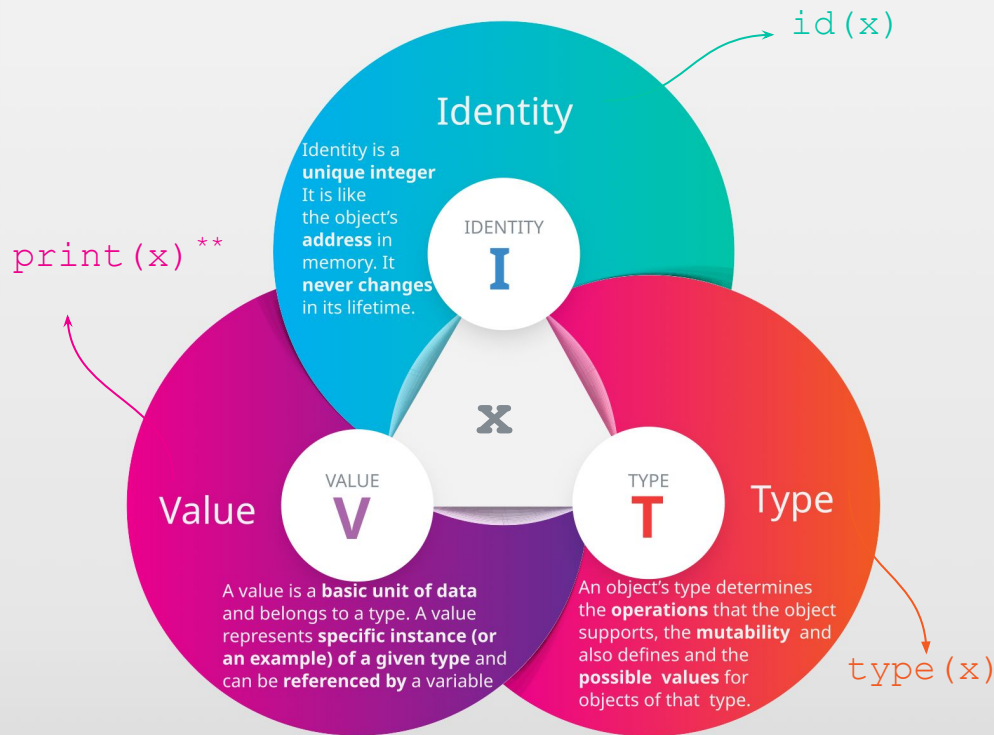
Any data in python is represented by an **object** or by relationships between objects.

Every object has:

1. an **identity** - **id()**
2. a **type** - **type()**
3. a **value** - **print()** / inspection

Python Data Model

Every object has an identity, a type and a value



** or
inspect

Python Data Model

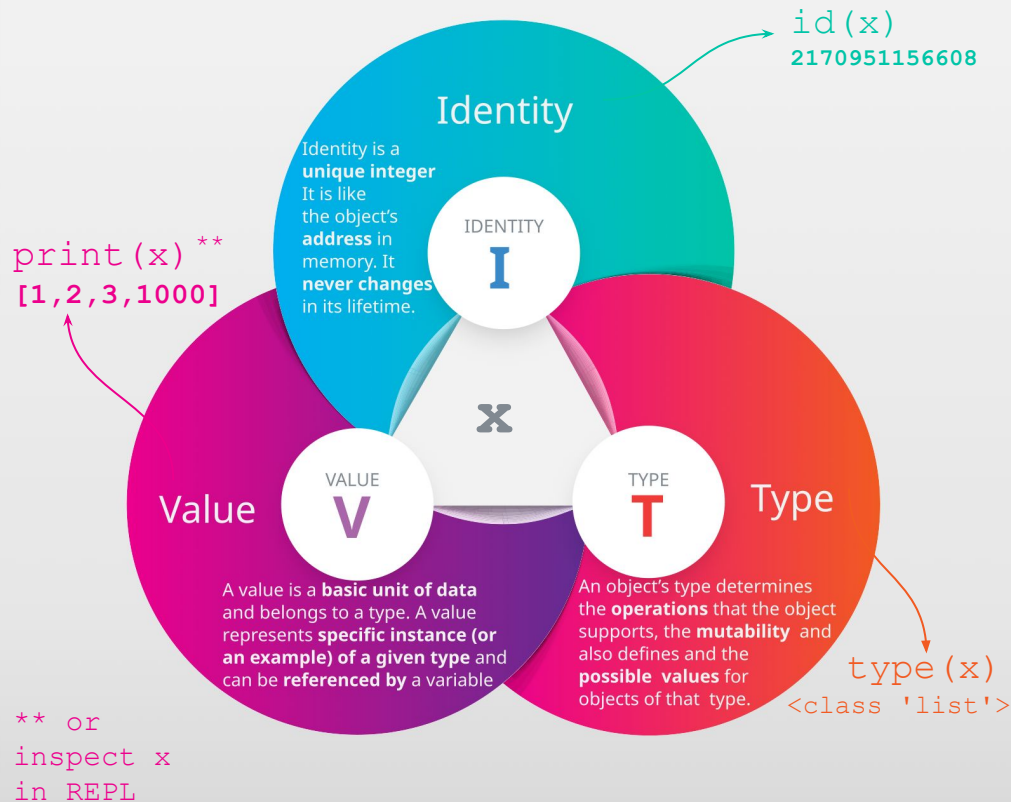
Example:

```
x = [1, 2, 3, 1000]
```

- `print(id(x))` # prints the unique **identity** of the object
- `print(type(x))` # prints the **type** of the object
- `print(x)` # prints the **value** of the object

Python Data Model

Every object has an identity, a type and a value



Python Data Model

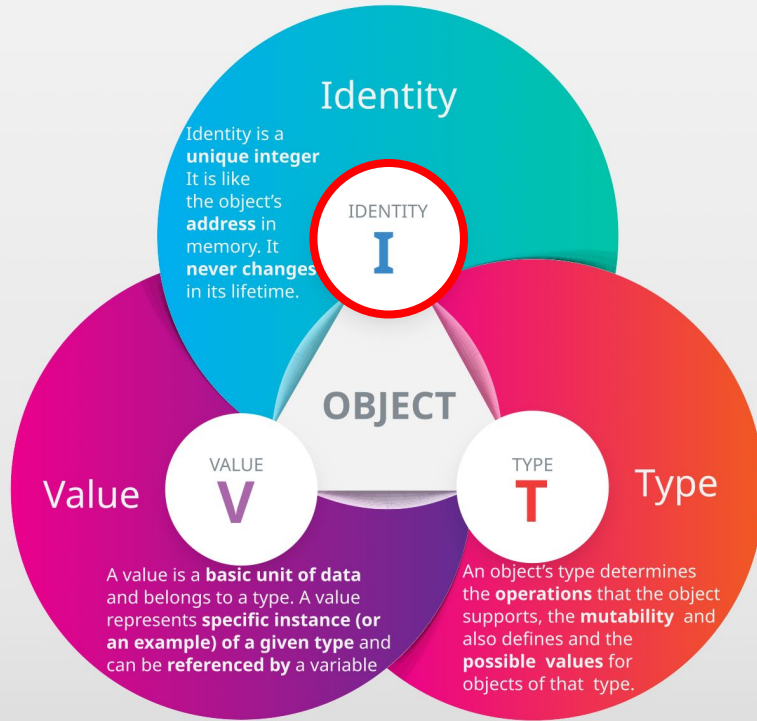
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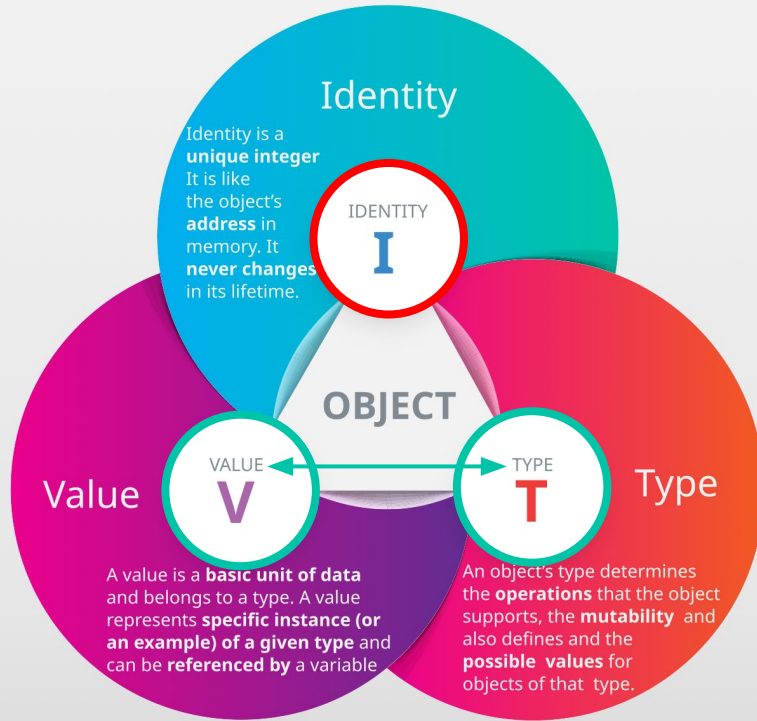


Python Data Model

Objects having **same identity** will have **same** _____.

Python Data Model

Every object has an identity, a type and a value

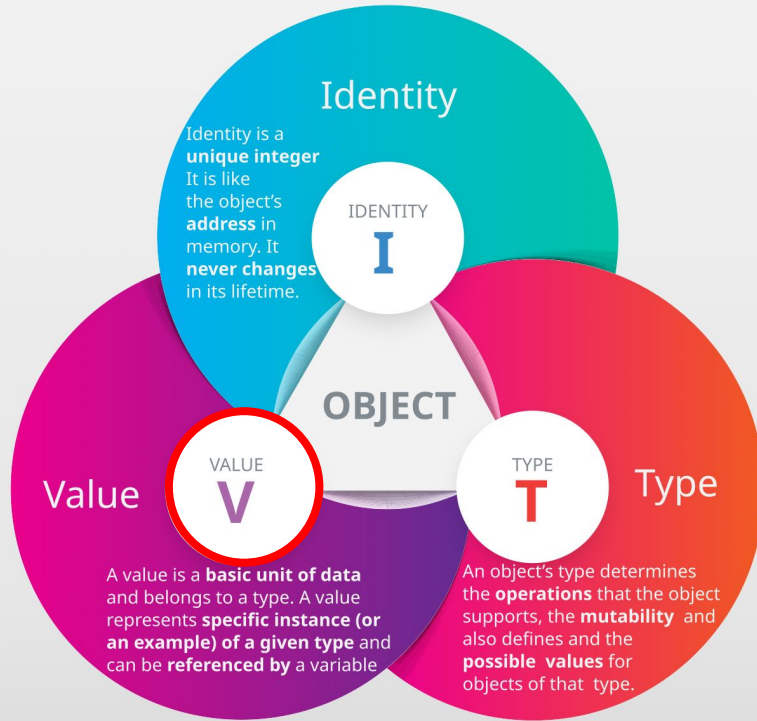


Python Data Model

Objects having **same identity** will have **same value and type**.

Python Data Model

Every object has an identity, a type and a value



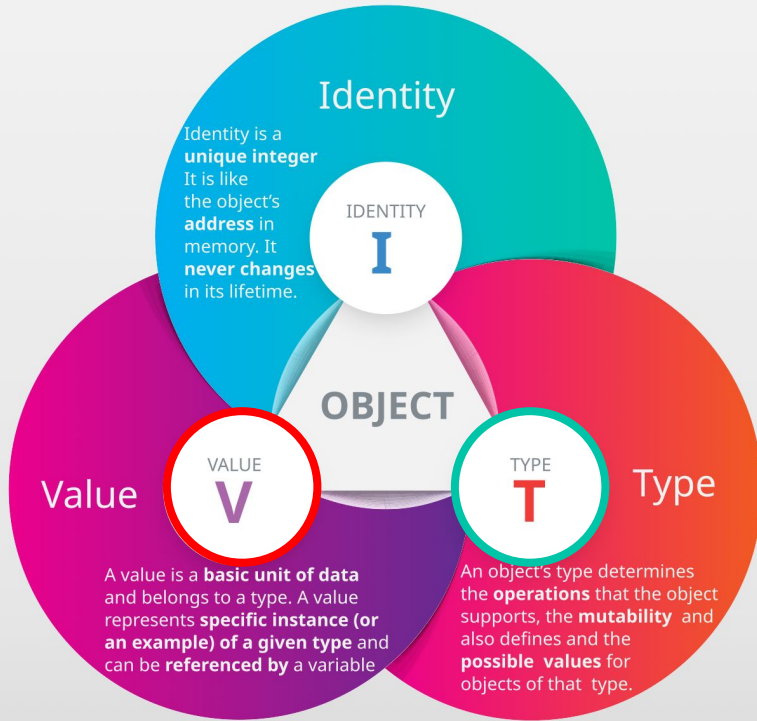
Python Data Model

Objects having same identity will have same value and type.

Objects having **same value** will have **same** ____.

Python Data Model

Every object has an identity, a type and a value



Python Data Model

Objects having same identity will have same value and type.

Objects having **same value** will have **same type**.

Acknowledgement

Infographic: "Designed by SilviaNatalia / Freepik"

<https://docs.python.org/3/reference/datamodel.html>