Mutable and Immutable Types

Mutable and Immutable

▸ **The python data objects can be broadly categorized into**

1. **Mutable (changeable or modifiable)**
2. **Immutable types (non-modifiable)**

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NOTE

▸ Python frontloads some commonly used values in memory.

▸ Each variable referring to that value actually store that memory address of the value.

▸ Multiple variables/identifiers can refer to a value.

▸ Internally Python keeps count of how many identifiers/variables are referring to a value

Mutable and Immutable

Mutable objects

- List
- Dictionary
- Set

Immutable objects

- Int
- Float
- Complex,
- String,
- Tuple