

Single Value Data Types

1. **Integers**: whole numbers, e.g., `1`, `2`, `3`, etc.
2. **Floating**: decimal numbers, e.g., `3.14`, `-0.5`, etc.
3. **Complex Numbers**: numbers with real and imaginary parts, e.g., `3 + 4j`, etc.
4. **Strings** (`str`): sequences of characters, e.g., `"hello"`, `hello`, etc.
5. **Boolean**: a logical value that can be either `True` or `False`

Collection Data Types

1. **lists**: e.g., `[1, 2, 3]`, `["a", "b", "c"]`, etc.
2. **Tuples**: e.g., `(1, 2, 3)`, `("a", "b", "c")`, etc.
3. **Dictionaries**: e.g., `{"name": "John", "age": 30}`, etc.
4. **Sets**: `{1, 2, 3}`, `{"a", "b", "c"}`, etc.