



RC Python Workshop Outline

0. Welcome

`print("Hello, World")`

1. Variables & Data Types

int, float, complex, str, bool, list, tuple, range, dict, set

2. F-Strings

Formatted strings with `f"""`

3. Comparison Operators

`==`, `!=`, `>`, `<`, `>=`, `<=` → True/False

4. Logical Operators

and, or, not

5. Lists

Create, `.append()`, `.remove()`, `.insert()`

6. Dictionaries

Key-value pairs, access by key

7. Input Function

`input()`, convert with `int()`

8. If Statements

if, elif, else, modulo `%`, calculator example

9. Functions

Define, call, parameters, print vs return

10. For Loops

Loops, break, example: even numbers

11. While Loops

Loop with condition

12. Exception Handling

try-except, handle errors like `ValueError`, `ZeroDivisionError`