

Control Flow To-Do List

1. Write simple `if` statements.
2. Add `else` blocks to handle alternate conditions.
3. Use `elif` for multiple condition checks.
4. Combine `if`, `elif`, and `else` statements for complex logic.
5. Practice nesting `if` statements.
6. Iterate over sequences using `for` loops.
7. Use the `range()` function in loops.
8. Implement loops using `while` based on conditions.
9. Compare `while` loops with `for` loops.
10. Apply `break` and `continue` in loops.
11. Use `and`, `or`, `not` to combine conditions in `if` statements.
12. Implement comparison operators in conditional checks.

Data Structures To-Do List

1. Create and manipulate lists.
2. Practice list methods like `append()`, `insert()`, `remove()`, `sort()`, and `reverse()`.
3. Perform list slicing and iterate through lists.
4. Create and manipulate tuples.
5. Access tuple elements and practice tuple methods like `count()` and `index()`.
6. Loop through tuples and perform tuple slicing.
7. Create and manipulate sets.
8. Use set methods like `add()`, `remove()`, `union()`, `intersection()`, and `difference()`.
9. Create and manipulate dictionaries.
10. Use dictionary methods like `keys()`, `values()`, `items()`, `update()`, `pop()`, and `clear()`.