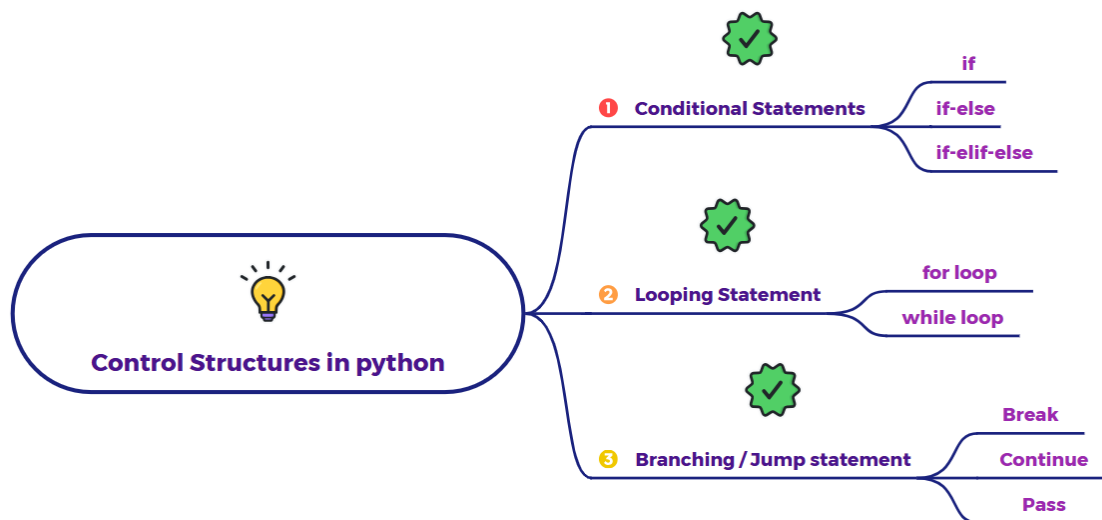# Different types of Control Structures in Python?

In Python, the main types of control structures fall into three categories:

1. **Conditional Statements (Decision Making):** Execute different blocks of code based on whether a condition is true or false.

   - if: Executes a block of code if a condition is true.

   - if-else: Executes one block of code if a condition is true, and another if it's false.

   - if-elif-else: Allows checking multiple conditions sequentially, executing the block corresponding to the first true condition.

2. **Looping Statements (Iteration):** Execute a block of code repeatedly.

   - for loop: Iterates over a sequence (like a list, tuple, string, or range) or other iterable objects.

   - while loop: Continues to execute a block of code as long as a specified condition remains true.

3. **Branching/Jump Statements:** Alter the normal flow of loops.

   - break: Terminates the current loop entirely and transfers control to the statement immediately following the loop.

- continue: Skips the rest of the current iteration of the loop and proceeds to the next iteration.

- pass: A null operation; it does nothing and is used as a placeholder where a statement is syntactically required but you don't want any code to execute.