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KODNEST

Switch statement	Else-If Ladder
Evaluates a single expression and compares it with multiple values.	Evaluates multiple conditions one by one until a condition is satisfied.
Uses "case" labels to match specific values with the expression.	Uses multiple "if" and "else-if" statements to check various conditions.
Provides a concise way to handle multiple cases of a single variable.	Offers flexibility to handle multiple conditions, each with its own set of statements.
Execution jumps directly to the matching "case" without evaluating other cases.	Each condition is evaluated sequentially until a true condition is found.
Works well when comparing a single variable against multiple values.	Works well when multiple conditions need to be checked and executed accordingly.
Cannot use complex conditions or ranges for comparisons.	Supports complex conditions and ranges for comparisons.
Typically faster than an "else-if" ladder due to direct case matching.	Execution time may increase with the number of conditions, as each condition is evaluated sequentially.
Provides a default case to handle unmatched values.	Requires an additional "else" statement to handle unmatched conditions.

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SYNTAX:

switch (expression) {
  case value1:
  // code block 1
  break;
  case value2:
  // code block 2
  break;
  // additional cases
  default:
  // default code block
}
	if (condition1) {
	  // code block 1
	} else if (condition2) {
	  // code block 2
	}
	// additional else-if blocks
	else {
	  // default code block
	}