

Loops in JavaScript:

JavaScript offers several loop constructs for repetitive tasks, including for, while, and do-while loops.

for loops are commonly used for iterating over arrays and other iterable objects.

while loops execute a block of code as long as the specified condition evaluates to true.

do-while loops are similar to while loops, but they guarantee that the block of code is executed at least once before checking the condition.

Control Statements in JavaScript:

Control statements, such as if, else, and switch, allow developers to control the flow of program execution based on conditions.

The if statement executes a block of code if a specified condition is true.

The else statement executes a block of code if the if condition is false.

The switch statement evaluates an expression and executes the corresponding case based on its value.

Variable Rules in JavaScript:

JavaScript variables are dynamically typed, meaning they can hold values of any data type.

Variable declarations are done using var, let, or const.

var has function scope or global scope, while let and const have block scope.

Variables declared with const cannot be reassigned, but the value they hold can be mutated if it's mutable.