Lecture-02: If Statement in JavaScript

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# Introduction to Conditional Statement:

* In this lecture, we will dive into conditional statements in JavaScript, specifically focusing on the `if` statement. Conditional statements allow you to control the flow of your code based on certain conditions.

# The If Statement:

* The `if` statement is a fundamental building block of programming. It allows us to execute a block of code only if a specified condition is true.

# Syntax:

if (condition) {

    // Code to be executed if the condition is true

}

# Example:

 var age = 18;

if (age >= 18) {

    document.write("You are an adult.");

}

In this example, the `if` statement checks if the `age` variable is greater than or equal to 18. If the condition is true, it will display "You are an adult."

# The `If Else` Statement:

* The `if` statement can be extended with an `else` clause to execute code when the condition is false.

# Syntax:

 if (condition) {

    // Code to be executed if the condition is true

} else {

    // Code to be executed if the condition is false

}

# Example:

 var time = 12;

if (time < 12) {

    document.write("Good morning!");

} else {

    document.write("Good afternoon!");

}

In this example, it will display "Good morning!" if the `time` variable is less than 12; otherwise, it will show "Good afternoon!"

# The `If-Else If-Else` Statement:

You can use multiple `else if` clauses to handle multiple conditions.

# Syntax:

 if (condition1) {

    // Code to be executed if condition1 is true

} else if (condition2) {

    // Code to be executed if condition2 is true

} else {

    // Code to be executed if none of the conditions are true

}

# Example:

 var grade = 75;

if (grade >= 90) {

    document.write("A Grade");

} else if (grade >= 80) {

    document.write("B Grade");

} else if (grade >= 70) {

    document.write("C Grade");

} else {

    document.write("Fail");

}

This example assigns a grade based on the `grade` variable's value.

# Practice and Exploration:

Conditional statements are crucial in programming, allowing you to make decisions in your code. Try experimenting with different conditions and scenarios to get a better grasp of how `if` statements work in JavaScript.

For more details on JavaScript conditional statements and other programming topics,

**Visit:** https://www.tutorialsteacher.com/javascript/javascript-if-else-condition