



Website development

Lecture 5

Conditional Operators

Often when you write code, you need to perform different actions based on different conditions. We do this process using **conditional operators**.

Conditional operators are operators that allow you to perform different actions based on different conditions.

Conditional Operators

JavaScript has the following conditional operators:

- `if`
- `else if`
- `else`
- `switch`

If

Use an if statement to specify a block of code to execute if the condition is true.

```
if (condition) {  
    // code here is executed only if the condition is TRUE  
}
```

Else

Use an else statement to specify a block of code to execute if the condition is false.

```
if (condition) {  
    // code here is executed only if the condition is TRUE  
}  
else {  
    // code here is executed only if the condition is FALSE  
}
```

Else if

If the first condition is false, use an else if statement to specify a new condition.

```
if (condition1) {  
    // code here is executed only if the condition1 is TRUE  
}  
else if (condition2) {  
    // code here is executed only if condition1 is FALSE and  
    condition2 is TRUE  
}  
else {  
    // code here is executed only if both condition1 and  
    condition2 are FALSE  
}
```

Switch

Use a switch statement to select one of many blocks of code to be executed based on a single variable:

```
switch(variable) {  
    case x:  
        // code here is executed if the variable value is x  
        break; // breaks the switch statement  
    case y:  
        // code here is executed if the variable value is y  
        break; // breaks the switch statement  
    default:  
        // code here is executed if all above cases are FALSE  
}
```

Thank you for your attention