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FSD Theory Ass 2  
  
What is an if-else-if statement in JavaScript? Explain the use of it with help of example.

in js?  
  
In JavaScript, an if-else-if statement is used to handle multiple conditional branches in your code. It allows you to test multiple conditions and execute different blocks of code based on the evaluation of these conditions. Here's the basic syntax of an if-else-if statement:

if (condition1) {

// Code to be executed if condition1 is true

} else if (condition2) {

// Code to be executed if condition2 is true

} else if (condition3) {

// Code to be executed if condition3 is true

} else {

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

}  
  
In this structure, condition1, condition2, and condition3 are expressions that are evaluated. If condition1 is true, the code inside the first block will be executed. If condition1 is false, condition2 will be evaluated. If condition2 is true, the code inside the second block will be executed, and so on. If none of the conditions are true, the code inside the else block (if present) will be executed.

Here's an example to illustrate the usage of an if-else-if statement:  
  
var num = 10;

if (num > 0) {

console.log("The number is positive");

} else if (num < 0) {

console.log("The number is negative");

} else {

console.log("The number is zero");

}  
  
In this example, the variable num is set to 10. The if-else-if statement checks the value of num. Since num is greater than 0, the first condition is true, and the code inside the first block will be executed. Therefore, the output will be:  
The number is positive  
  
This demonstrates how an if-else-if statement can be used to handle different cases based on the value of a variable or expression. You can extend the else-if chain to handle additional conditions as needed in your code.  
  
