

JavaScript Conditional Statements

1. if, else if, else Statements

These statements are used to make decisions in JavaScript. Based on conditions, different code blocks are executed.

```
let score = 85;

if (score >= 90) {
    console.log("Grade: A");
} else if (score >= 75) {
    console.log("Grade: B");
} else if (score >= 60) {
    console.log("Grade: C");
} else {
    console.log("Grade: F");
}
```

Explanation:

In the example above, the program checks the score and matches it to a grade category using a series of if-else-if blocks. Only the first true condition is executed.

2. switch Statement

switch is another way to make decisions. It compares a value against multiple cases and executes the matching case block.

```
let day = 3;
let dayName;

switch (day) {
    case 1:
        dayName = "Monday";
        break;
    case 2:
        dayName = "Tuesday";
        break;
    case 3:
        dayName = "Wednesday";
        break;
    case 4:
        dayName = "Thursday";
        break;
    default:
        dayName = "Unknown";
}
```

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```
console.log(dayName);
```

Explanation:

The switch statement checks the value of 'day'. When it matches a case, the corresponding block is executed. 'break' prevents the code from falling through to the next case.