Introduction to Conditional Statements

Conditional statements allow you to execute different blocks of code based on whether a condition is true or false. JavaScript provides several types of conditional statements:

- **if** statement
- **if...else** statement
- **if...else if...else** statement
- **switch** statement

if Statement

The **if** statement allows you to execute a block of code if a specified condition is true.

```
let hour = new Date().getHours();
if (hour < 12) {
document.write("Good morning!");
}
```

if...else Statement

The **if...else** statement allows you to execute one block of code if a specified condition is true and another block of code if the condition is false.

```
let hour = new Date().getHours();
if (hour < 12) {
document.write("Good morning!");
} else {
document.write("Good afternoon!");
}
```

if...else if...else Statement

The **if...else if...else** statement allows you to specify multiple conditions to execute different blocks of code based on the different conditions.

```
let hour = new Date().getHours();
if (hour < 12) {
document.write("Good morning!");
```

```
        } else if (hour < 18) {
document.write("Good afternoon!");
            } else {
  document.write("Good evening!");
                }
```

switch Statement

The **switch** statement allows you to select one of many code blocks to be executed.

```
let day = new Date().getDay();
        switch (day) {
            case 0:
     document.write("Sunday");
                break;
            case 1:
     document.write("Monday");
                break;
            case 2:
    document.write("Tuesday");
                break;
        // More cases...
            default:
    document.write("Other day");
                }
```

Conditional statements are essential for controlling the flow of execution in JavaScript programs.