

# CONDITIONAL STATEMENTS

Conditional statements in JavaScript allow you to execute different code blocks based on whether a specified condition evaluates to true or false. The primary conditional statements in JavaScript are:

## **1. if Statement:**

The if statement is used to execute a block of code if a specified condition is true.

### **Example:**

```
let condition = true;
```

```
if (condition) {  
    // Code to be executed if the condition is true  
    console.log("Condition is true");  
} else {  
    // Code to be executed if the condition is false  
    console.log("Condition is false");  
}
```

## **2. else if Statement:**

You can use the else if statement to specify multiple conditions. If the first if condition is false, it checks the next condition.

## Exmample:

```
let condition1 = false;

let condition2 = true;

if (condition1) {

    console.log("Condition 1 is true");

} else if (condition2) {

    console.log("Condition 2 is true");

} else {

    console.log("No conditions are true");

}
```

## 3. else Statement:

The else statement is used to specify a block of code to be executed if the condition in the if statement is false.

## Example:

```
let condition = false;

if (condition) {

    console.log("Condition is true");

} else {

    console.log("Condition is false");

}
```

## 4. Ternary Operator:

The ternary operator (`? :`) is a concise way to write simple if-else statements.

### Example:

```
let condition = true;

let result = condition ? "Condition is true" : "Condition is false";

console.log(result);
```

## 5. Switch Statement:

The switch statement is used to select one of many code blocks to be executed.

### Example:

```
let day = "Monday";

switch (day) {

  case "Monday":

    console.log("It's Monday!");

    break;

  case "Tuesday":

    console.log("It's Tuesday!");

    break;

  // Add more cases as needed
```

default:

```
    console.log("It's another day");  
}
```

Choose the appropriate conditional statement based on the complexity and structure of your code.