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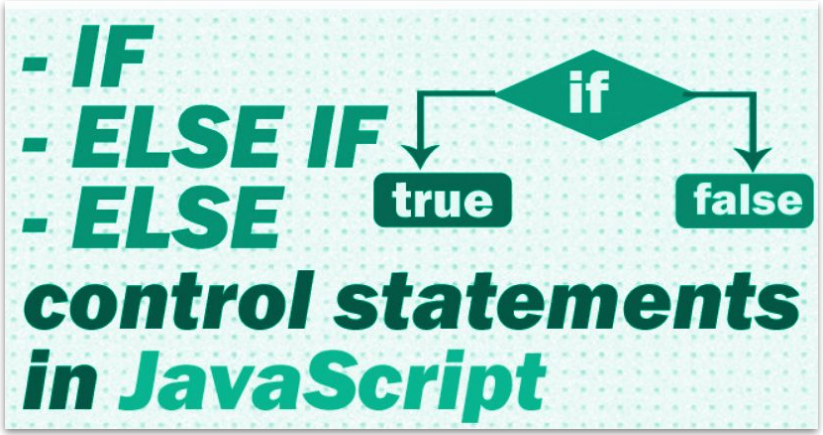
Javascript Conditions



Javascript Conditional Statements

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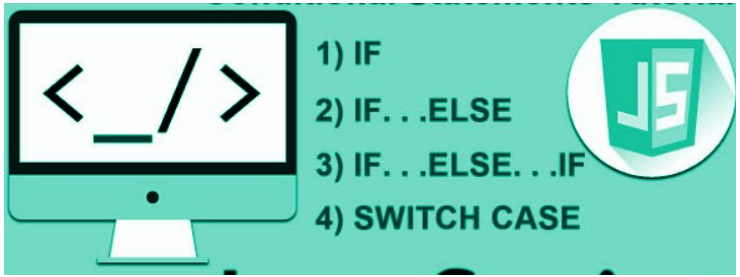
- Conditional Statements **control** the behavior of the javascript.

- Based on **different conditions** the conditional statements are used to perform **different actions**.



Types of Conditional Statements

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- “**If**” Statement
- “**Else**” Statement
- “**Else if**” Statement
- Switch Statement

Types of Conditional Statements

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"IF" Statement

- "**If**" Statement allows JavaScript to make **decisions** and conditionally execute statements.
- "**If**" Statement is used when a specific block of code to be executed, If a condition is **true**.

Syntax

```
if (condition) {
  //  block of code to be executed if the condition is true
}
```

Types of Conditional Statements

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“Else” Statement

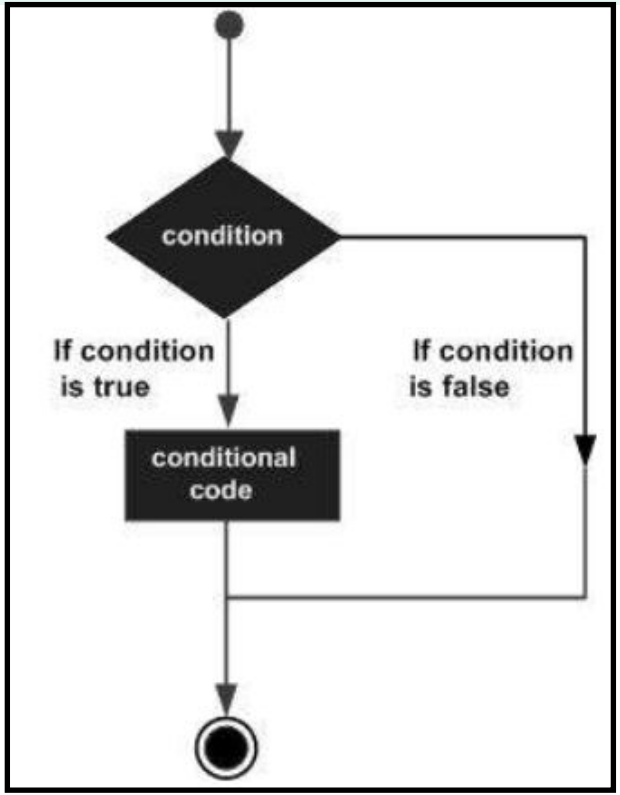
- “**Else**” Statement is used when a specific block of code to be executed, If a condition is **false**.

How “Else” Statement works:

- If the condition is **true**,then the code inside the **if block** will be executed.
- If the condition is **false**, then the code inside the **else block** will be executed.

Syntax

```
if (condition) {
  //  block of code to be executed if the condition is true
}
```



Types of Conditional Statements

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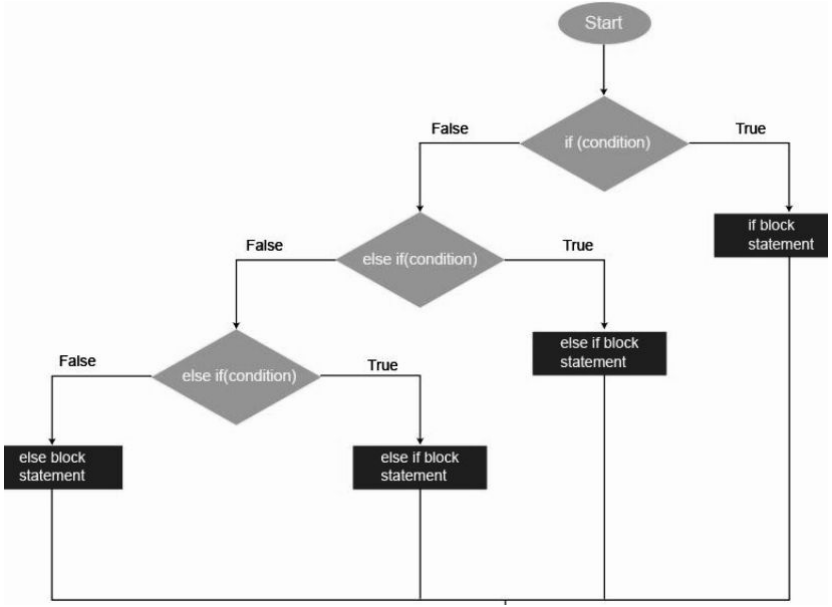
Else If Statement

- **Else if** Statement is used to make the correct decision out of several decisions.



Types of Conditional Statements

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How “Else If” statement works:

- If the **IF** condition is **true**,then the code inside the **if block** will be executed.
- If the **IF** condition is **false**, then the JS engine checks with the **else if** condition.
- If the **else if** condition is **true**, then the code inside the **else if block** will be executed.
- If the **else if** condition is **false**, then the code in the **else block** will be executed.

Syntax

```
if (condition1) {
  //  block of code to be executed if condition1 is true
} else if (condition2) {
  //  block of code to be executed if the condition1 is false and condition2 is true
} else {
  //  block of code to be executed if the condition1 is false and condition2 is false
}
```

Switch Statement

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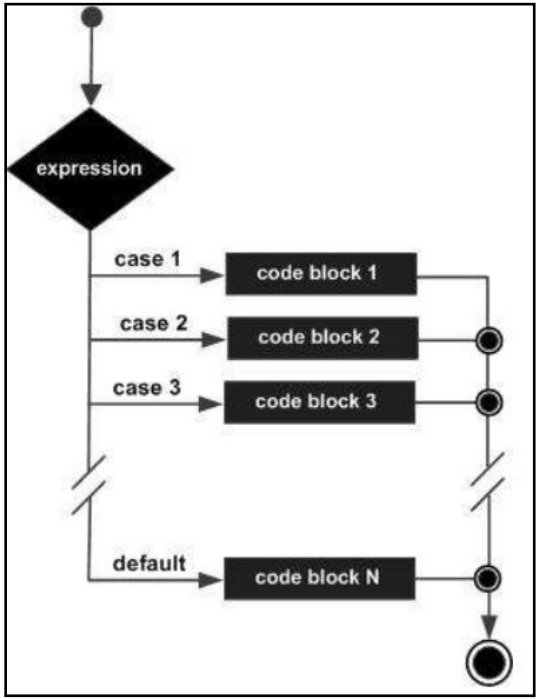
- To perform **different actions** based on **different conditions** we use **switch** statements.

- Switch statement is more efficient than else if statement.



Switch Statement

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How “switch” statement works:

- Switch statement will be evaluated only **once**.
- The value will be **compared** with the value in each case.
- If the correct **match** is found, then the code block inside that case will be executed and at last breaks from the switch statements.
- If the **break statement** is omitted then the interpreter will continue executing each statement.
- If there is **no match** found, then the **default block** will be executed.
- The break statement is **not necessary** in the **last case** of switch statement.

Syntax

```
switch(expression) {
  case x:
    // code block
    break;
  case y:
    // code block
    break;
  default:
    // code block
}
```