

* Conditional & Looping statements :-

Conditional & looping statement are used to control the flow of a program.

i) Conditional statement in Javascript :-

Conditional statement execute different code based on whether a condition is true or false.

a) if statement :- executes code if a condition is true.

Syntax :- `if (condition)`

{

`// statement`

}

`// another statement`

Ex :- `<!DOCTYPE html><html>`

`<html>`

`<head> <title> If statement </title>`

`</head>`

`<body> <script>`

`let age = 20;`

`if (age >= 18) {`

`document.write ("You are eligible to vote")`

}

`</script>`

`</body>`

`</html>`

b) if ... else statement :-

Executes one block if the condition is true, otherwise another block.

syntax:-

```
if (condition)
{
    // statements
}

else
{
    // statements
}
```

ex:- <script>

```
let age = 16;
```

```
if(age >= 18)
{
    document.write ("You are eligible to vote");
}

else {
    document.write("You are not eligible to vote");
}</script>
```

c) if...else if statement:-

Used when there are multiple conditions.

Syntax :-

```

if (condition)
{
    // statement(s)
}

else if (condition2)
{
    // statement(s)
}

else if (condition3)
{
    // statement(s)
}

else
{
    // statement(s)
}

```

Example :-

```

<script>
let marks = 75;

if (marks >= 90) {
    document.write("Grade A");
} else if (marks >= 65) {
    document.write("Grade B");
} else {
    document.write("Grade C");
}

```

Output :-

```

Grade C

```