04

Statement

WHAT YOU WILL LEARN

* What is a statement and types?
* Branching Statement (if, if-else,else-ladder)
* Iteration Stagement(for,while,do-while,foreach)

Statement and Types

* Statement - is a combination of variable, data types , operators .

There are three types of statement

* + - Declaration statement – when we declare variable,function,class ,array ,object etc it is called declration statement
      * + Example - var a,b,c ;
    - Arithmetic statement - when we perform arithmetic operation then it is called arithmetic statement
      * Example - a+b.
    - Conditional Statement – when statement execute depend on conditions that statement called conditional statement.
* If – when condition true then it executes.

Example - var mark=40;

if(mark>40){

console.log('you are passed with marks '+mark);

}

* If – else - when condition true then will execute if block either execute else block.

Example – var mark=40;

if(mark>40){

console.log('you are passed with marks '+mark);

}

else {

console.log('you are failed with marks '+mark);

}

* Else if Ladder – when we need to write multiple conditions then we used else if ladder – Example - var mark=40;

if(mark>90){

console.log('you are passed with A+ grade');

}

else if(mark>75){

console.log('you are passed with A grade');

}

else if(mark>65){

console.log('Passed With B+ Grade');

}

else if(mark>45){

console.log('Passed With B Grade');

}

else if(mark >35){

console.log('Passed With D grade');

}

else {

console.log('you are failed with marks '+mark);

}

* Switch Case – when we need to check exact match then we use switch case
  + Example –

console.log(' 1 Veg Menu 2 Non-Veg Menu');

var choice=1;

switch(choice){

case 1:

console.log('Welcome to veg menu');

break;

case 2:

console.log('Welcome to non-veg menu');

break;

default:

console.log('Invalid choice ');

break;

}

* For Loop - The JavaScript for loop iterates the elements for the fixed number of times. It should be used if number of iteration is known.

Example -

for (i=1; i<=5; i++)

{

document.write(i + "<br/>")

}

* while loop - The JavaScript while loop iterates the elements for the infinite number of times. It should be used if number of iteration is not known.

Example –

var i=11;

while (i<=15)

{

document.write(i + "<br/>");

i++;

}

* do while loop - The JavaScript do while loop iterates the elements for the infinite number of times like while loop. But, code is executed at least once whether condition is true or false.

Example –

var i=21;

do{

document.write(i + "<br/>");

i++;

}while (i<=25);