Javascript

Kenapa belajar Javascript?

JavaScript is the world's most popular programming language.

JavaScript is the programming language of the Web

JavaScript is one of the 3 languages all web developers must learn:

1. HTML to define the content of web pages

2. CSS to specify the layout of web pages

3. JavaScript to program the behavior of web pages

Javascript Output

- Writing into an HTML element, using `innerHTML`.
- Writing into an alert box, using `window.alert()`.
- Writing into the browser console, using `console.log()`. //error | warn

Tipe data

Primitive data type

string, number, bigint, boolean, undefined, and symbol

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Data_structures

Variable & Constant

```
var x, y, z;     // Statement 1

x = 5;           // Statement 2

let a = 10;

a = 'javascript';

const  b = 'tetap';

b = 'berubah'; //error
```

function

```
// function declaration

function(arg){

    return arg; //console.log(arg)

}

// function expression

// arrow function

let a = arg => arg;
```

Komentar

```
// Komentar satu baris

/* Komentar

lebih dari

satu baris */

// var a =
```

Array, Object & JSON

let ar = [1,'nama','asep',true];

let ob = {nama:'asep',kelas:2,masuk:true};

let jso = {'nama':'asep','kelas':2,'masuk':true};

Logical block

```
if(condition){

// do something

}else if(condition){

// do another thing

}else{

// do another thing

}
```
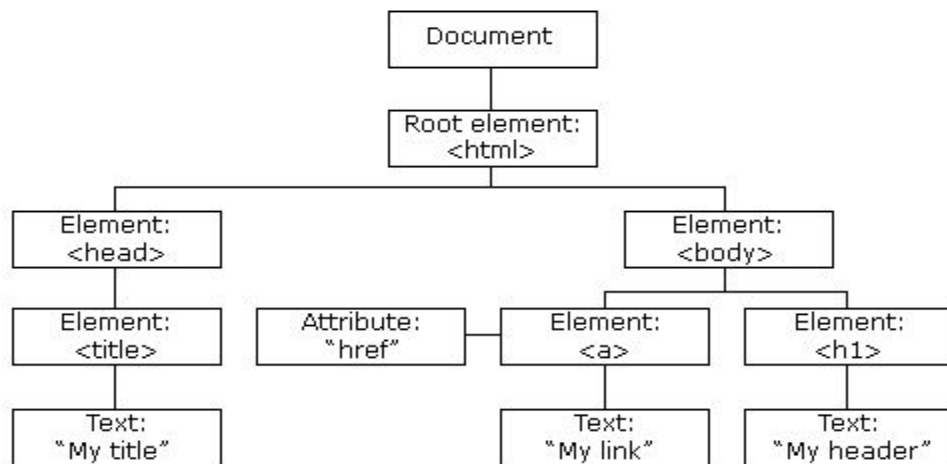
Ternary operator

let a = 1;

//a = 2;

let b = a == 1 ? 'value a = 1' : 'value a bukan 1';

DOM

The HTML DOM Tree of Objects

Window, document

Standar javascript

6th Edition – ECMAScript 2015

7th Edition – ECMAScript 2016

8th Edition – ECMAScript 2017

9th Edition – ECMAScript 2018

10th Edition – ECMAScript 2019

11th Edition – ECMAScript 2020