**EMASCRIPT6**

**variable Types:**

* Define by **let**:
  + Block Scope Variable.
  + Cannot be re-declared.
  + Can be re assigned.
* Define by **var**:
  + Free Scope.
  + Can be re-declared && re-assigned.
* Define by **const**:
  + Block Scope.
  + Cannot be re-declared && re-assigned.

**Strict Mode:**

* + **Why:** To Find Silly errors in code use Strict mode, Before code;
  + **Implement:** **“use strict”;**

**Sprade Operator:**

* + **Why:** It Expends Array into individual elements, it can be used to expend the array where zero or more element are expected;
  + **Implement:**
    - const maxium = Math.max(...numbers);
    - const addMore = [...ages,77, 30, 56];

**Rest Parameter:**

* + **Why:** Using Rest Parameter a function can be called with indefinite numbers of arguments (receive Arguments value as an array);
  + **Implement:**

function sum(...numbers){

let sum = 0;

for(i of numbers){

sum = sum + i;

}

console.log(sum);

}

sum(10, 20, 30);

**Scope:**

* + **Local:** Declare inside function;
  + **Global:** Declare outside function can be access inside a function;

**Functions:**

* + **Simple Function.**
  + **Parameterized Function.**
  + **Rest Parameters.**
  + **Returning Function.**
  + **Anonymous Function. (Re-Assignable Function).**
  + **Parameterized Anonymous Function.**
  + **Arrow Function.**

**Array DE structuring:**

* + **Why:** We can extract data form arrays and objects.
  + **Implement:**

let array = ['Html', 'Css','php','Laravel'];

let [firstValue, secondOne] = array;

console.log(firstValue, secondOne);

**Array Map Crud:**

* + **Why:** Can Set Values with key (Something like PHP Session). Also Can Set Duplicate Values.
  + **Implement:**

let testMap = new Map();

testMap.set('key1','Nazmul Huda')

testMap.set('key2','Muhammod Ali')

testMap.set('key3','Rashadul')

console.log(testMap.values())

console.log(testMap.keys())

for (let myValues of testMap.values()){

console.log(myValues)

}

testMap.delete('key1'); //Delete Selected Value

testMap.clear(); //Clear all value

testMap.get('key1'); //Get Single Value

testMap.has('key1'); // if has condition will go second Step.

**Array Set Crud:**

* + **Why:** Can Set Values without key. Omit Duplicate Values.
  + **Implement:**

let array = ['Html', 'Css','php','Laravel'];

let [firstValue, secondOne] = array;

console.log(firstValue, secondOne);

**Browser Hacks:**

* + **Write on Browser:**
    - **Go to console type**: document.body.contentEditable = true;
  + **Global:** Declare outside function can be access inside a function;