

## 1. Ecmascript

- The Problem (Safari, Chrome, Firefox, Opera etc.)
- Why we needed it ?
- <https://en.wikipedia.org/wiki/ECMAScript>

## 2. Constructor Functions

```
// constructor function
function Person () {
  this.name = 'John',
  this.age = 23,

  this.greet = function () {
    console.log('hello');
  }
}

// create objects
const person1 = new Person();
const person2 = new Person();
```

## 3. Inheritance using constructor function

```
function Employee(name, age, gender, id) {
  this.name = name;
  this.age = age;
  this.gender = gender;
  this.id = id;
};

function Developer(name, age, gender, id,
specialization) {

  // Calling Employee constructor function
  Employee.call(this, name, age, gender, id);

  // Adding a new parameter
  this.specialization = specialization;
}
console.log(Employee.prototype);
console.log(Developer.prototype);
```

## 4. ES6 Concepts

- ##### Const, Let and Var

```
var greeter = "hey hi";
var times = 4;

if (times > 3) {
  var greeter = "say Hello instead";
}

console.log(greeter)
```

```
var a = 10
var a = 20;
console.log(a);
```

```
let greeting = "say Hi";  
greeting = "say Hello instead";
```

```
let greeting = "say Hi";  
let greeting = "say Hello instead";
```

```
console.log(a);
```

```
console.log(a);  
var a = 20;
```

```
let greeting = "say Hi";  
if (true) {  
  let greeting = "say Hello instead";  
  console.log(greeting); // "say Hello instead"  
}  
console.log(greeting); // "say Hi"
```

- ##### Classes and Constructors
- ##### Arrow Functions
- ##### Modules in HTML Script tag
- ##### Vue Js using HTML module
- ##### Vue Js using CLI