**JavaScript**

**User defined functions**

**And events**

**User defined functions**

**Syntax**

**function functionName() {**

**function body;**

**}**

Event : event provide bridge between html (DOM) and JavaScript code.

JavaScript provide lot of pre defined event. All event start with pre fix on

Followed by name of the event

onClick

onDblClick

onMouseOver

onMouseOut

onKeyUp

onKeyDown

onBlur

onFocus

onChange

onSubmit

onload

etc

JavaScript was known as object based interpreter scripting language

Till ES5 JavaScript.

ES : ECMA is a concept.

JavaScript is a implementation of ES.

From ES6 onward JavaScript also known as object oriented interpreter scripting language.

Object, class,

object : object is any real world entity.

Property or state -🡪 have , name, age, weight, height. etc

Person

Behaviour -🡪do/does teaching(), sleeping(), talking() etc

Bank

Animal

Car

Employee

Customer

Login -🡪 emaild, password, typeofuser property

SignUp and SignIn

Object is a concept.

Class : class is blue print of object or template of object.

Till ES5 if we want to describe the object we are/were using function

But from ES6 onward on way day we can use class keyword.

In JavaScript we can create user defined object using 3 ways

1. Literal style ES5 style
2. Function style ES5 style
3. Class style ES6 style

JavaScript object mainly divided into two types

1. Pre define object

Two pre defined hierarchy JavaScript provided

BOM : Browser Object Model

DOM : Document Object Model

Object 🡪 property (variable)

Behaviour (functions)

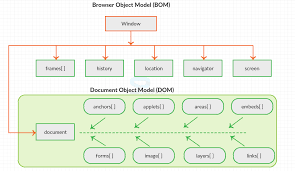
Object -🡪 property

Behaviour

Object --🡪 property

Behaviour

Object



Index.html

When we run any html page on browser internally

It will created DOM hierarchy

Html --🡪 root

Head body

Meta div

Style p ->Welcome

Script p ->Hi

Title p->Hello

DOM Parser

Lot of programming language like Java, python, C#, JavaScript

Provided function or methods or classes or modules

Which will help to read, write and update DOM contents dynamically.

DOM Operation like created new tag base upon events.

<div>

<p>Welcome</p>

</div>

Types of functions

1. Normal function

function functionName() {

}

1. Expression function

var functionName= function() {

}

1. arrow function

in arrow function , function keyword replace by => symbol

arrow function return the result without return keyword.

In arrow function if you want to write multi line statement then we need to

Use curly braces. Once you use curly braces we need to use return keyword

To return the value.

1. callback : passing the function name or function body or function itself to another

function as parameter is known as callback.

Pre defined basic object

Array :

1. User define object

DOM : document object model