Object creation and constructor

```javascript
function Student(name,age,cgpa){
    this.name=name,
    this.age=age,
    this.cgpa=cgpa

    this.display = function(){
        document.write(this.name);
        document.write("<br/>");
        document.write(this.age);
        document.write("<br/>");
        document.write(this.cgpa);
    }
}

var student1 = new Student("ABC",27,3.99);
var student2 = new Student("DEF",29,3.75);
var student3 = new Student("XYZ",23,3.50);

student1.display();
document.write("<br/>");
student2.display();
document.write("<br/>");
student3.display();
```
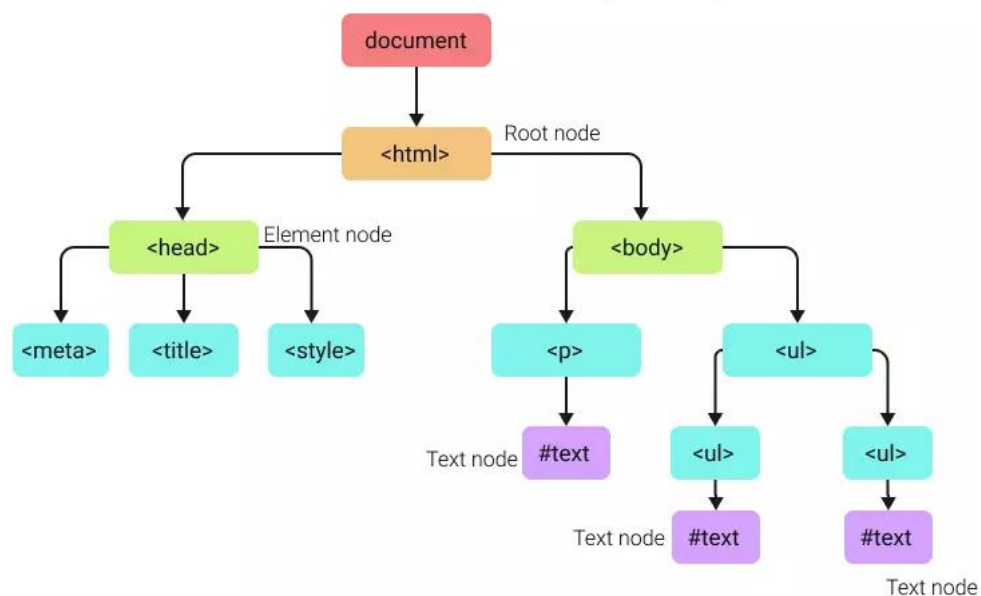
DOM (Document Object Model)

Node Structure in DOM (Document Object Model)

Var a = document.getElementById("____")-→ element can be selected

a.innerHTML = "Hello" → text can be changed

in the .html file→ Text is "This is Heading"

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>

    <h1 id="heading1">This is Heading</h1>

    <script src="dom.js"></script>
</body>
</html>
```

In the .js file→ "This is Heading" will be changed into "hello"

```javascript
var a = document.getElementById("heading1");
a.innerHTML="hello"
```

getElementsByTagName(tag)→

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>

    <h1>This is Heading 1</h1>
    <h1>This is Heading 2</h1>
    <script src="dom.js"></script>
</body>
</html>
```

```javascript
var a = document.getElementsByTagName("h1");
a[0].innerHTML="hello"
```

Output:

hello

This is Heading 2

<mark>**getElementsByClassName("__")→**</mark>

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>

    <h1 class="heading">This is Heading 1</h1>
    <h1 class="heading">This is Heading 2</h1>
    <script src="dom.js"></script>
</body>
</html>
```

```javascript
var a = document.getElementsByClassName("heading");
a[1].innerHTML="hello"
```

Output:

This is Heading 1

hello