

→ document

→ Elements  
Tree for on

<html>

<head>

<title> Example </title>

</head>

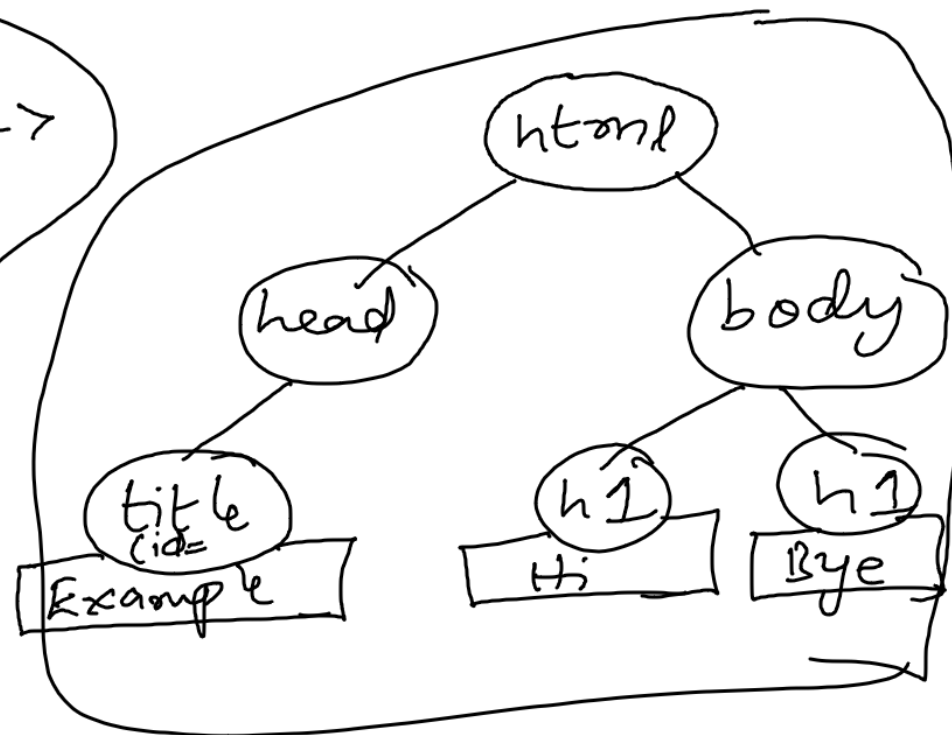
<body>

<h1> Hi </h1>

<h1> Bye </h1>

</body>

</html>



Case 1:- color change of Text

Sol:- Before executing the file.

In Advance

Case 2:- After executing the file.

Sol:- We've to use JavaScript.

✓ JavaScript is basically used to manipulate DOM.

✓ To use JavaScript, we've to create "script" tag in "head" tag.

✓ In JavaScript, we've to write functions.

✓ To execute a particular function, we've to trigger an event.

✓ There are various events:

(1) click

(2) mousemove

(3) KeyUP, etc.

(4) Load

# Javascript

```
alert( );  
console-log( );
```

## Programming log

- variable ✓
- datatypes ✓
- operators ✓
- Conditional statements ✓
- functions ✓
- string
- Pre defined functn, objects

## functionality Box

- Event assignment

Bitwise!-

&, |, <<, >>

a = 15, b = 16  
↓                      ↓  
Bits                      Bits

\*  
$$\begin{array}{r} 15 = 01111 \\ 16 = 10000 \\ \hline 00000 \end{array} \rightarrow 0$$

33, 17

$$\begin{array}{r} 100001 \\ 010001 \\ \hline 110001 \end{array}$$

$33 \& 17 = 1$

$33 | 17 = 49$

$$33 < 17$$

$$33 \cdot 2^{17}$$

$$116 < 116$$

$$116 \cdot 2$$

$$33 > 17$$

$$\frac{33}{2^{17}}$$