

16

الجمعة  
FRIDAY

January	يناير	February	فبراير	March	مارس
W S M T W T F S	W S M T W T F S	W S M T W T F S	W S M T W T F S	W S M T W T F S	W S M T W T F S
1 2 3 4 5 6	5	1 2 3	9	1 2 3	1 2 3
7 8 9 10 11 12 13	6 4 5 6 7 8 9 10	10 4 5 6 7 8 9 10	11 11 12 13 14 15 16 17	11 11 12 13 14 15 16 17	11 11 12 13 14 15 16 17
14 15 16 17 18 19 20	7 11 12 13 14 15 16 17	8 18 19 20 21 22 23 24	12 18 19 20 21 22 23 24	12 18 19 20 21 22 23 24	12 18 19 20 21 22 23 24
21 22 23 24 25 26 27	8 18 19 20 21 22 23 24	9 25 26 27 28	13 25 26 27 28 29 30 31	13 25 26 27 28 29 30 31	13 25 26 27 28 29 30 31
28 29 30 31					

Java script

30 Jumaada al-awal 1439 H

Vendredi • Freitag • Venerdì  
Viernes • Vrijdag • Sexta

٣٠ جمادى الأول - ١٤٣٩ هـ

## Assignment-1

TASKS

المهام

## ① Use of Java script?

- JS is a client side and server side programming language. it can make interactive web pages.
- With the help of JS we can develop a desktop applications web applications.

## ② Difference b/w client side &amp; server side.

~~Client~~ client side

- The JS code runs the client browser.

server side

- The JS code runs the server which is linked to the web pages.

NOTES

ملاحظات

## ③ What is Node JS?

- The Node JS is a superset of JavaScript runtime environment. Node JS allows to run JS code on a machine as well as server.
- The Node JS is a open source to the everyone.

## ④ scopes in javascript?

- In JS functions are called as scopes.
- Each function creates a new scope.
- The loops is not considered as a scope.

```

function myFunction() {
  // code
}
  
```

Scope.



April	أبريل	May	مايو	June	يونيو
W S M T W T F S	W S M T W T F S	W S M T W T F S	W S M T W T F S	W S M T W T F S	W S M T W T F S
14 1 2 3 4 5 6 7	18 1 2 3 4 5	22 1 2	23 3 4 5 6 7 8 9	24 10 11 12 13 14 15 16	25 17 18 19 20 21 22 23
15 8 9 10 11 12 13 14	19 6 7 8 9 10 11 12	20 13 14 15 16 17 18 19	21 20 21 22 23 24 25 26	22 27 28 29 30 31	26 24 25 26 27 28 29 30
16 15 16 17 18 19 20 21					
17 22 23 24 25 26 27 28					
18 29 30					

## ⑤ Synchronous or Asynchronous JS tasks

→ By default JS is a Synchronous JS.  
because. The code execute a order wise.

Ex:-  
`console.log("OP-1");`  
`console.log("OP-2");`  
`console.log("OP-3");` } Synchronous.

`console.log("OP-1");` — execute ①

`console.log("OP-2");` — execute ②

`setTimeout(() => {`  
`console.log("OP-3");` — execute ④  
`}, 2000);`

`console.log("OP-4");` — execute ③

Asynchronous

NOTES

ملاحظات

## ⑥ JavaScript is single threaded or multi threaded?

→ JS is a single threaded because the code execute order wise and it is not wait until asynchronous code will be execute.

## ⑦ DOM?

→ DOM is a Document Object Model. is a Application Programming Interface (API) of HTML, etc. In JS we can manipulate the DOM. (using document).

Ex:- DOM

