

(بسم الله الرحمن الرحيم)

وددت ان يكون هذا الكتاب صدقة جارية لمن لم يجد مصدر وافي بما فيه الكفاية، الدروس التي تم اعتمادها، هي تلك التي لها علاقة بمشكلة ما في ال web امكانية استرجاع الصفحات او تطويرها او حتى ان كانت المشكلة خارج تطبيقات التواصل الاجتماعي، لست مسؤول عن أي إساءة في استخدام المعلومات على نحو الإضرار بالآخر، ومن الله التوفيق.

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JavaScript is a programming language that adds interactivity to your website. This happens in games, in the behavior of responses when buttons are pressed or with data entry on forms; with dynamic styling; with animation, etc. This article helps you get started with JavaScript and furthers your understanding of what is possible.

What is JavaScript?

JavaScript is a powerful programming language that can add interactivity to a website. It was invented by Brendan Eich.

JavaScript is versatile and beginner-friendly. With more experience, you'll be able to create games, animated 2D and 3D graphics, comprehensive database-driven apps, and much more!

JavaScript itself is relatively compact, yet very flexible. Developers have written a variety of tools on top of the core JavaScript language, unlocking a vast amount of functionality with minimum effort. These include:

Browser Application Programming Interfaces (APIs) built into web browsers, providing functionality such as dynamically creating HTML and setting CSS styles; collecting and manipulating a video stream from a user's webcam, or generating 3D graphics and audio samples.

Third-party APIs that allow developers to incorporate functionality in sites from other content providers, such as Disqus or Facebook.

Third-party frameworks and libraries that you can apply to HTML to accelerate the work of building sites and applications.

It's outside the scope of this article—as a light introduction to JavaScript—to present the details of how the core JavaScript language is different from the tools listed above. You can learn more in MDN's JavaScript learning area, as well as in other parts of MDN.

The section below introduces some aspects of the core language and offers an opportunity to play with a few browser API features too. Have fun!

A "Hello world!" example

JavaScript is one of the most popular modern web technologies! As your JavaScript skills grow, your websites will enter a new dimension of power and creativity.

However, getting comfortable with JavaScript is more challenging than getting comfortable with HTML and CSS. You may have to start small, and progress gradually. To begin, let's examine how to add JavaScript to your page for creating a Hello world!

---

(Example)(1)

```
<!doctype html>
<html>
<head>
  <title> in line java script</tital>
</head>
<body>
<h1>using in line java script</h1>
<script>
  //java script code here
  Alert ((hello.world!));
</script>
</body>
</Html>
```

---

Lesson(1) / conditional statement /

```
1/ if (condition) {
2/ //code to execute if condition is true
```

```

3/}else if (another condition)
4/ // code to execute if another condition is 5/true
6/} else
7/ // code to execute if no condition is true

```

.....  
Conditional statement in prief words:

This three options you give to the system  
Simply meaning minimize the error code that you are print in the java window ,in the next lessons you are going to use this code in more precise way just keep it that each lesson could be a link to another in your coddng journey in the program.

\_\_\_\_\_lesson(2) (html out put)

```

1/<doctype html>
2/<html>
3/<head>
4/    < title> simple java script HTML
5/    out put </title>
6/</head>
7/</body>
8/<h1 id=<"out put heading"> java script
9/  Html example out put </h1>
10/<p id=<"out put paragraph">
11/  This is where the out          12/  put java script will go</P>
13/ <button onclick=change content()"
14/    Click me </button>
15/ <script>
16/    <change content  () {
17/    //get reference to html elements
18/    Var heading elements=document          19/    get element byld (output heading)
20/    Var paragraph element =document
21/    Get element byld(output paragraph)
22/    //change the content
23/    // Heading element. inner html
24/    ( New heading"!
25/    //paragraph element.inner html
26/    The content was adding using 27/    java script'
28/
29/    }
30/    <Script>
31/    <Body>
32/    <Html>

```

.....

Html output in prief words:

In line /8/ and /10/ you can choose how the web identifying your id whether it was i picture or video ,and in little adjusting on it you will have the right to protect you rights From miss using it in the web,.....

---

Lesson(3) (log and variable)

```
1/using var
2/x=var
3/10=x
4/using let
5/y=let
6/y=20
7/using const
8/z=const
9/z=30
10/
11/console.log(x)//out puts:10
12/console.log(y)//out puts:20
13/console.log(z)//out puts:30
```

.....  
Logarithm in simple words:

Logarithm is the main mathematical steps

To get more acceptable results, in another words ,the one who can use math in simple steps usually make the difficulte

More easy.

---

Lesson(4) ex:   A   (if and let)

```
1/If (true) {
2/let x=10;
3/Console .log(x);// out put :10
4/}
5/Console.log(x);// error x is not defined
6/          ex :   B  
7/  Const person ={
8/  "Name"alice
9/  Age:30
10/ }
11/Console.log"person.name"//output:"Alic12/e"
```

.....  
Brief words:

This is how single dash what can do to a certain result,with practice you are going to pass these mistakes more prof.

---

Lesson(5) (for loop)

```
<!Doctype html>
<html>
<body>

<h2> java script for loop </h2>

    Script for:(let i =1; i<=5;i++){
        Document.write(i+"<br>");
    }
</Script>
</Body>
</Html>
```

.....

Brief worlds:

These kinds of mathematical tools only used for try and failed method,like for example inter many time many codes in certain site in order to get the code exaptied for the sit.

---

Lesson(6) (function)

```
<!doctype html>
<HTML>
<body>
    <h2>java script function</h2>
    Script
    Function,add(a,b)
    ;return a,b
    }
    Let sum =add(5,3);
    Document .write(" the sum is:"sum)
</script>
</Body>
</Html>
```

.....

Result=8  
Note://(Practicing the language out of the global web)

---

Lesson(7) (objects)

```
1/<!doctype html>
2/<html>
```

```

3/<body>
4/
5/   <script>
6/     Const person=new objects();
7/   person.first name:joe;
8/     Person.last name:sam;
9/     Person.Age:30;
10/  person.email:joesam@example.com;
11/
12/
13/
14/ document.write(person.first 15/name+<br/>;
16/   17/Document.write(person.age+<br/>;
18/  Document.write(person.email+<br/>;
19/  person.age="31"
20/  person.city="new york"
21/ < script>
22/ < Body>
23/ <Html>

```

.....

Brief note:the code is useful in memorizing the tools that could be related to another code (web related code)any way all lessons are basic in java.

---

#### Lesson(8) (object prototype)

```

1/<!doctype html>
2/<html>
3/   <script>
4/     Function. person( name;age){
5/       This,name=name
6/       This,age=age
7/     }
8/   Person. 9/prototype.sayhello=function();
10/    Document.wrtie ("hello"my name 11/is"
12/    "+this,name+"and im"" +this.age+"
13/    Years old </br>; };
14/
15/    Const person 1=new 16/person(alice,30);
17/    Const person 2=new 18/person(bob,24);
19/
20/    Person.1 say hello();//
21/    Person. 2 say hello();//
22/
23/   <script>
24/   < Body>

```

25/ <html>

.....  
Brief note: this lesson is inside of completely new chapter of Ai, it is defined by the first complex few nerve cells of (AI)

The result:

(Hello my name is Alice and I'm 30 years old)

(Hello my name is Bob and I'm 24 years old)

---

Lesson(9) (date)

```
1/!doctype html>
2/<html>
3/<body>
4/<script>
5/const currentDate=new Date();
6/document.write( currentDate);
7/</script>
8/</body>
9/</html>
```

.....  
Results=(التوقيت العربي الرسمي)

---

Lesson(10) (DOM)

```
1/!doctype html>
2/<html>
3/<head>
4/<title>java script dom example </title>
5/</head>
6/<body>
7/<p id="my paragraph">click the button
8/ To change this text</p>
9/<button id="my button">click
10/ me</button>
11/
12/ <script>
13/ var paragraph=document.get
14/ Element byId(("my paragraph"))
15/ var button=document.get element
16/ ById(("my button"))
17/
18/
19/ function change text();
20/ paragraphe.text content
```



```

21/    "text has been chanced"
22/    }
23/    button.add event listener("click",
24/    change text);
25/    </script>
26/    </BODY>
27/    < /html>

```

.....  
Note:you can learn the details of this code by search in the web especially the code has a lot of multi option usage.

---

Practice in tricks (A)

```

<doctype html!>
<html>
<head/>
Function my function(),
{
The title consist of 4 parts
1/head(the compeny title)
2/id (you can replace it with your name
3/after the(=)nearly 24 deget.
4/the tail nearly 6 deget.
}

```

<https://www.facebook.com/profile.php?osamah.zuhair=100049808892289&mibextid=ZbhKwL>

```

<head>
<P /=this is paragraph/p>
<p id/=this is going a head/p><demo>

```

```

{
Asking the imploy to develop your both pajes just by mention the titla

```

<https://facebook.com/id>

```

}
</head/>
</script/>
X=<"id">

```

```

Id=<"constant">

```

```

{
You search on some famos chareckter that holds you first and last name and replace it with (id)
}

```

Id=<https://www.facebook.com/usama.zuher.1?mibextid=ZbWKwL>

Y=variable

Y=var

```

Y=<"demo">
Z=<"result">
if;/
Click on button=<"true">
Function my function="x+y"/=</z/>
Get element byId(),
Eals if;/
Click on button=<"true">
Function my function="x*xy"/=</z/>
Get element byId(),
Eals;/
Click on button=<"true">
Function my function= «|x|"x"|y|"|» =</Z/>
Get element byId(),
<script\>
<script/>
<head>
<body>
<html>

```

.....  
ملاحظة: يوجد شرح باللغة الانكليزية يتخلل بعض اجزاء الكود لغرض التعلم بصورة اكثر بساطة.

Practice (B)

---

```

<!doctype html>
<html>
<head>
www.wattpad.com/site.num
</head/>
<body>
Function my function(),
X=const
Const=id
Id=x
Y=var
Y=<demo>
if;/
X+y="/Z/"
THEN;
get the element byId(),
Eals if ;//
X*xy=</z/>
Get the element byId(),

```

```

Eals ;//
{
{You miss with the final equation so you get the wright resulte}
}
|x|×|y|=</Z/>
Get the element byld(),
</body/>
<html>
<doctype html>

```

.....  
ملاحظة: يتم في المعادلة الاخيرة بعض الاضافات للحصول على نتيجة ليس بالضرورة ان تكون مئة في المئة صائبة.

---

Finally// ((protection of the phone from any attacks))  
And make your life better:

```

<doctype>
<html/>
<body/!>
<doctype=var,f=("20")>
  <\script>
    const Pi=3.14
  Document.write("Pi in outside block:+Pi");
  </script>
<head/!>
Var=x
X=20
<head>
<script\!>
Document.write("pi in inside block:+Pi");
<script!>
And;if
<Doctype=var,f=("27")>
Var=y
Y=10
Then
Document.write("pi in outside block:+pi");
<script\!>
<body!>
<Doctype=var,f=("9.7")>
<document.write("pi in inside block:+pi");
<body>
Y=var
30=var
Y=30

```

```
<html>  
<doctype>
```

.....

ملاحظة/الكود يستخدم كحماية من اغلب الهجمات بشكل عام.