

Ex-01 : Convert Celcius Value to Faranheit Value in JavaScript

Source code :

```
<!DOCTYPE html>

<html>

<body>

<p>51 Top JavaScript Examples: Convert celcius to faranheit value</p>

<p>Celcius Value:<input id="txtCelcius" onkeyup="convert('C')"> </p>

<p>Farenhit Value:<input id="txtFahrenheit" onkeyup="convert('F')"> </p>

<script> function
convert(degree) {

var p; if (degree == "C") { p =
document.getElementById("txtCelcius").value * 9 / 5 + 32;
document.getElementById("txtFahrenheit").value = Math.round(p);

} else {

p = (document.getElementById("txtFahrenheit").value - 32) * 5 / 9;
document.getElementById("txtCelcius").value = Math.round(p);

}

}

</script>

</body>

</html>
```

Output:

Change Celcius to Farenhit

Celcius Value:

Farenhit Value:

Ex-02 : Write a Program In JavaScript getElementByClassName() method :

Source code :

```
<!DOCTYPE html>

<html>

<body>

<div class="myclass">The value is presented inside the class</div>

<button onclick="RetriveByClassName()" id="btnClick">Click</button>

<script>

function RetriveByClassName() {

var x = document.getElementsByClassName("myclass"); alert(x[0].innerHTML);

}

</script>

</body>

</html>
```

Output:

The value is presented inside the class

Click

3) Install Node JS:

Step 1) Download Node.js Installer for Windows

Go to the site <https://nodejs.org/en/download/> and download the necessary binary files.

Step 2) Run the installation Double click on the downloaded .msi file to start the installation.

Click the Run button on the first screen to begin the installation.

Step 3) Continue with the installation steps

In the next screen, click the “Next” button to continue with the installation

Step 4) Accept the terms and conditions

In the next screen, Accept the license agreement and click on the Next button.

Step 5) Set up the path

In the next screen, choose the location where Node.js needs to be installed and then click on the Next button.

1. First, enter the file location for the installation of Node.js. This is where the files for Node.js will be stored after the installation.
2. Click on the Next button to proceed ahead with the installation.

Step 6) Select the default components to be installed

Accept the default components and click on the Next button.

Step 7) Start the installation

In the next screen, click the Install button to start installing Node.js on Windows.


Step 8) Complete the installation


Click the Finish button to complete the installation.


Output:

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

LTS
Mature and Dependable
Stable
Latest Features


Windows Installer
node-v4.2.3-x86.msi


Macintosh Installer
node-v4.2.3.pkg

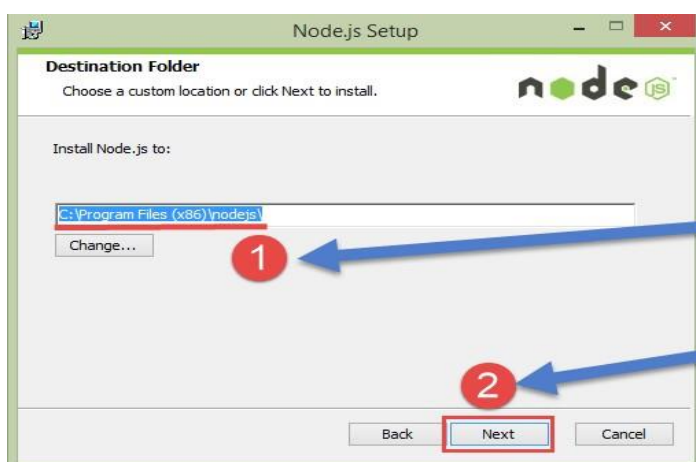

Source Code
node-v4.2.3.tar.gz

Windows Installer (.msi)	32-bit	64-bit
Windows Binary (.exe)	32-bit	64-bit
Mac OS X Installer (.pkg)	64-bit	
Mac OS X Binaries (.tar.gz)	64-bit	

Download the 32-bit installer



Click the Next button



Enter the file location for the installation

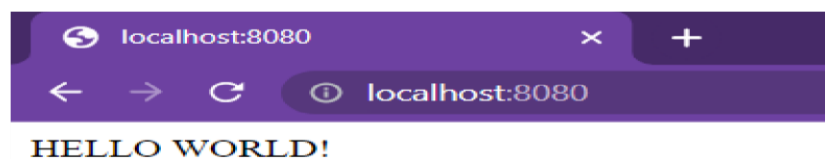
Click on the Next button

5) Using NPM command Install Dependencies or modules in the application web.

Source Code:

```
var http = require('http'); var uc = require('upper-  
case'); http.createServer(function (req, res) {  
  res.writeHead(200, {'Content-Type': 'text/html'});  
  res.write(uc.toUpperCase("Hello World!"));  
  res.end();  
  
}).listen(8080,console.log('server started on 8080'));
```

Output:



6) Use the Express Framework to route web pages and retrieve values.

Source Code:

```
var express = require('express'); var app = express();

app.get('/', function (req, res) {    console.log("Got a
GET request for the homepage");

    res.send('Hello GET');
})

app.post('/home', function (req, res) {
console.log("Got a POST request for the homepage");

    res.send('Hello POST');
})

// This responds a DELETE request for the /del_user page.

app.delete('/del_user', function (req, res) {  console.log("Got a DELETE request for
/del_user");

res.send('Hello DELETE');

})

// This responds a GET request for the /list_user page. app.get('/list_user', function (req,
res) {  console.log("Got a GET request for /list_user");  res.send('Page Listing');

})

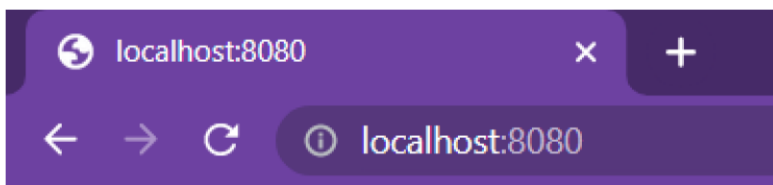
// This responds a GET request for abcd, abxcd, ab123cd, and so on
app.get('/ab*cd', function(req, res) {          res.send('Page Pattern
Match');
```



```
})
```

```
app.listen(8080,console.log("App Listening on 8080"))
```

Output:



Hello GET

7) Using Angular JS create a navigation menu that highlights the selected entry

Source Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<style>
```

```
*{
```

```
  margin:0;
```

```
  padding:0;
```

```
}
```

```
/*----- General Styles -----*/ body{
```

```
font:15px/1.3 'Open Sans', sans-serif;    color: #5e5b64;    text-
```

```
align:center;
```

```
}
```

```
a, a:visited {
```

```
outline:none;
```

```
color:#389dc1;
```

```
}
```

```
a:hover{  text-  
decoration:none;
```

```
}
```

```
section, footer, header, aside, nav{  
    display: block;  
}
```

```
/*----- The menu -----*/
```

```
nav{  display:inline-block;  margin:60px auto 45px;   background-color:#55B460;  
boxshadow:0 1px 1px #ccc;  
    border-radius:2px;  
}
```

```
nav a{  
    display:inline-block;  padding: 18px 30px;   color:#fff !important;   fontweight:bold;  
font-size:16px;  text-decoration:none !important;  line-height:1;  texttransform:  
uppercase;   background-color:transparent;  
  
    -webkit-transition:background-color 0.25s;   -moz-transition:background-color 0.25s;  
transition:background-color 0.25s;  
}
```

```
nav a:first-child{  border-
radius:2px 0 0 2px;

}
```

```
nav a:last-child{  border-
radius:0 2px 2px 0;

}
```

```
nav.home .home, nav.team.team, nav.about .about,
nav.contact .contact{  background-color:#5867E3;

}
```

```
p{  font-size:
20px;
color:#7d9098;

}
```

```
p b{  color:#ffffff;  display:inline-block; padding:5px 10px; background-color:#DC64C6;
border-radius:2px;font-size:22px; font-weight:bold; text-transform:uppercase;  font-
size:18px;

}
```

```
</style>
```

```
<head>
```

```
  <meta charset="utf-8"/>
```

```
<link href="http://fonts.googleapis.com/css?family=Open+Sans:400,700" rel="stylesheet" />
```

```
<!-- The main CSS file -->
```

```
<link href="style.css" rel="stylesheet" />
```

```
<!--[if lt IE 9]>
```

```
<script  
src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>
```

```
<![endif]-->  
</head>
```

```
<!-- The ng-app directive tells angular that the code below should be evaluated -->
```

```
<body ng-app>
```

```
<!-- The navigation menu will get the value of the "active" variable as a class.
```

```
The $event.preventDefault() stops the page from jumping when a link is clicked. -->
```

```
<nav class="{{active}}" ng-click="$event.preventDefault()">
```

```
<!-- When a link in the menu is clicked, we set the active variable -->
```

```
<a href="#" class="home" ng-click="active='home'">Home</a>
```

```
<a href="#" class="about" ng-click="active='about'">About</a>
```

```
<a href="#" class="contact" ng-click="active='contact'">Contact</a>
```

```
</nav>
```

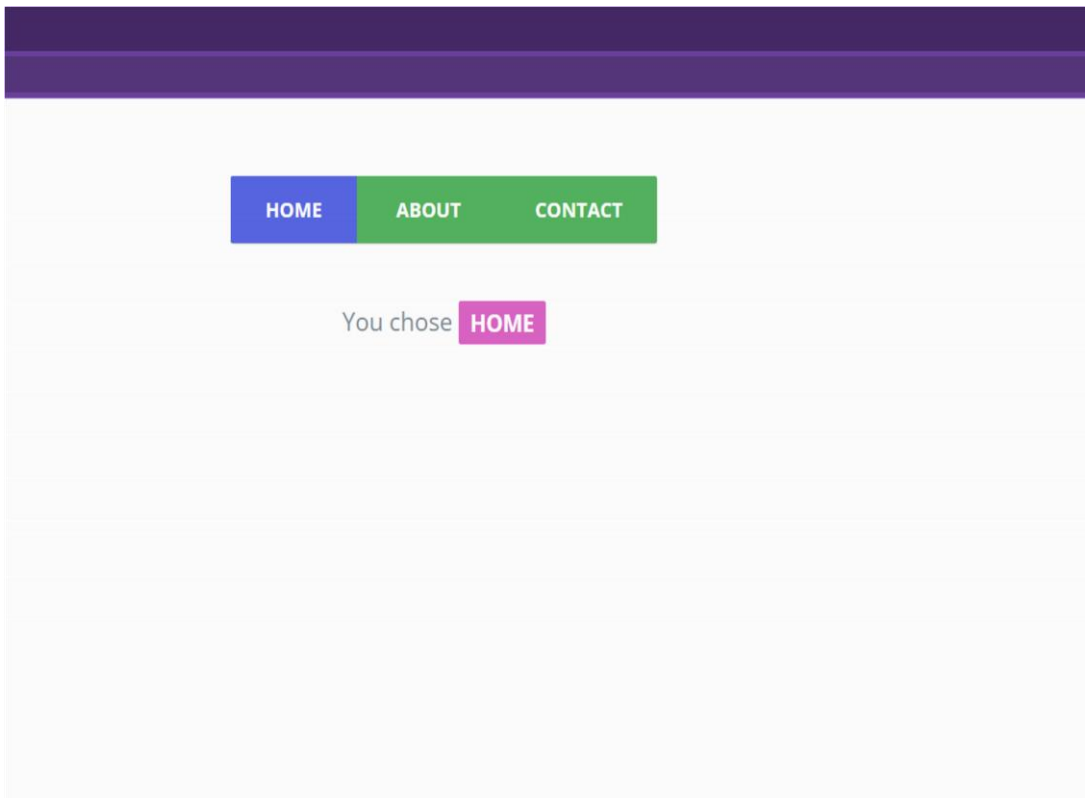
<!-- ng-show will show an element if the value in the quotes is truthful, while ng-hide does the opposite. Because the active variable is not set initially, this will cause the first paragraph to be visible. -->

```
<p ng-show="active">You chose <b>{{active}}</b></p>
```

<!-- Include AngularJS from Google's CDN -->

```
<script  
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.0.7/angular.min.js"></script>  
</body>  
</html>
```

Output:



8) Manipulate a web page using JQuery :

a)

Source Code:

```
<!doctype html>

<html>

<head>

<title>The jQuery Example</title>

<script src= "https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.
min.js"></script><script>  $(document).ready(function() {
$("#text").click(function(){    alert($("#p").text());

    });

    $("#html").click(function(){    alert($("#p").html());

    });

});
</script>

</head>

<body>

    <p>The quick <b>brown fox</b> jumps over the <b>lazy dog</b></p>

    <button id="text">Get Text</ button

    >

    <button id="html">Get HTML</ button >

</body> </html>
```


Output:



8 B) Manipulate a web page using JQuery :

Source Code:

```
<!doctype html>

<html>

<head>

<title>The jQuery Example</title>

<script src= "https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery. min.js"></script>

<script>

    $(document).ready(function() {    $("#b1").click(function(){        alert($("#name").val());

        });

        $("#b2").click(function(){        alert($("#class").val());

        });

    });

</script>

</head>

<body>

    <p>Name: <input type="text" id="name" value="Zara Ali"/></p>

    <p>Class: <input type="text" id="class" value="Class 12th"/></p>

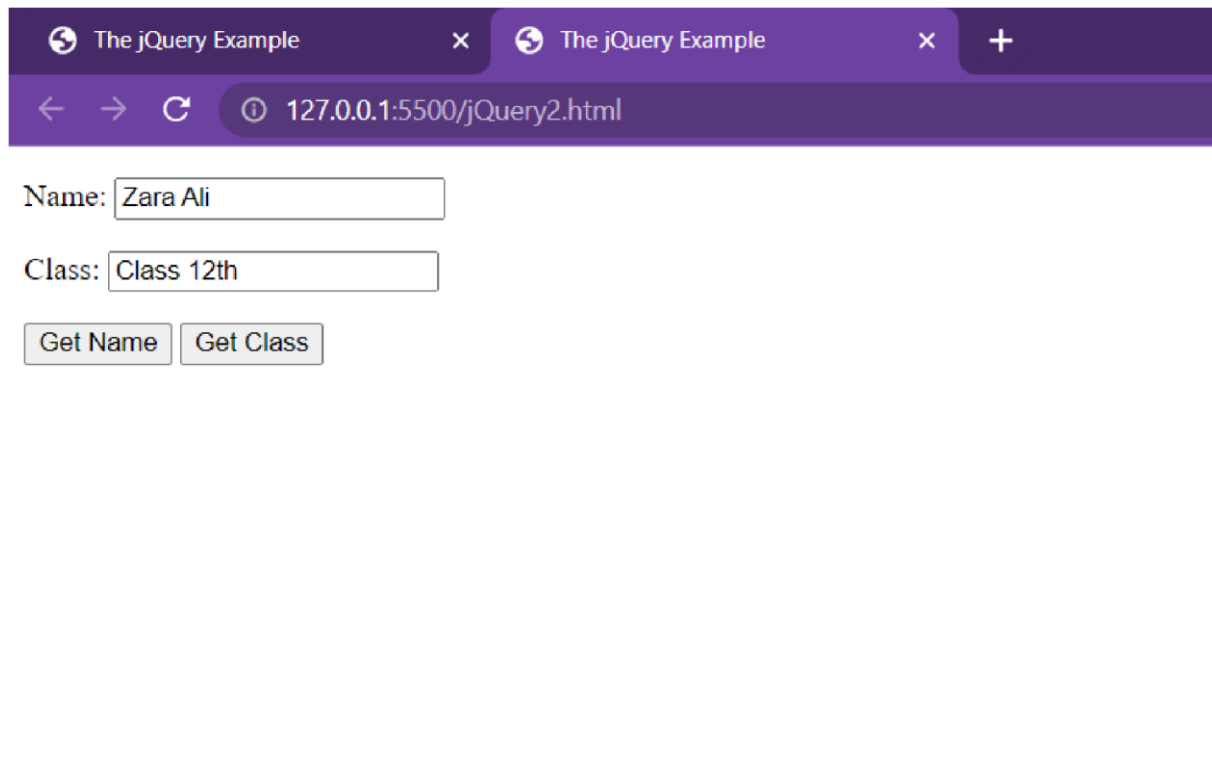
    <button id="b1">Get Name</button>

    <button id="b2">Get Class</button>

</body>

</html>
```

Output:



The screenshot shows a web browser window with two tabs, both titled "The jQuery Example". The address bar displays the URL "127.0.0.1:5500/jquery2.html". Below the address bar, there are two input fields. The first is labeled "Name:" and contains the text "Zara Ali". The second is labeled "Class:" and contains the text "Class 12th". Below these input fields, there are two buttons: "Get Name" and "Get Class".

Name:

Class:

9) Different event to the elements of a web page using jquery :

Source Code:

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js">

</script>

<style type="text/css">

#e5 {      width: 100px;      height: 100px;      border-radius: 0px;

background-color: aqua;

    }

</style>

</head>

<body>

    <p id="e1">Welcome.</p>

    <p id="e2">Learn and Explore</p>

    <p>

        <input type="text" id="e3" value="jQuery is powerful!" />

    </p>

    <p id="e4" align="left">Geeks for Geeks</p>

    <p>

        <div id="e5"></div>

    </p>

    <button id="gfg1">Change Text</button>

    <button id="gfg2">Change HTML</button>

    <button id="gfg3">Change Value</button>

    <button id="gfg4">Change Alignment</button>

    <button id="gfg5">Change Shape</button>
```

```

<script type="text/javascript">
  $("#gfg1").click(function() {

    $("#e1").text("Geeks for Geeks");

  });

  $("#gfg2").click(function() {
$("#e2").html("<b>Enrich your Knowledge.</b>");

  });

  $("#gfg3").click(function() {

    $("#e3").val("jQuery at Geeks for Geeks");

  });

  $("#gfg4").click(function() {

    $("#e4").attr("align", "center");

  });

  $("#gfg5").click(function() {

    $("#e5").css("border-radius", "50px");

  });

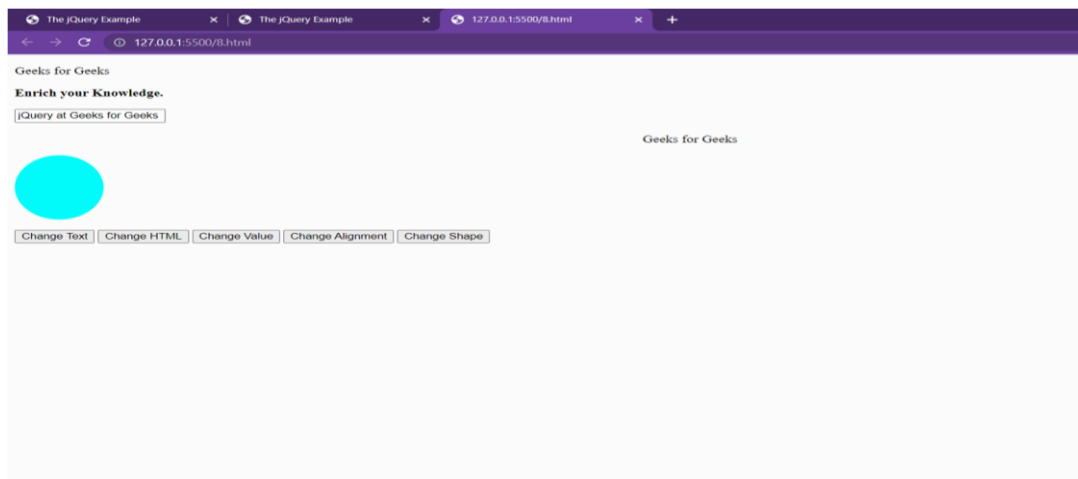
</script>

</body>

</html>

```

Output:



10) Provide different effects using jquery

a) jQuery Hide/Show :

Source Code:

```
<!DOCTYPE html>

<html>

<head>

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script>
$(document).ready(function(){
    $("#hide").click(function(){
        $("p").hide();
    });
    $("#show").click(function(){
        $("p").show();
    });
});
</script>

</head>

<body>

<p>If you click on the "Hide" button, I will disappear.</p>

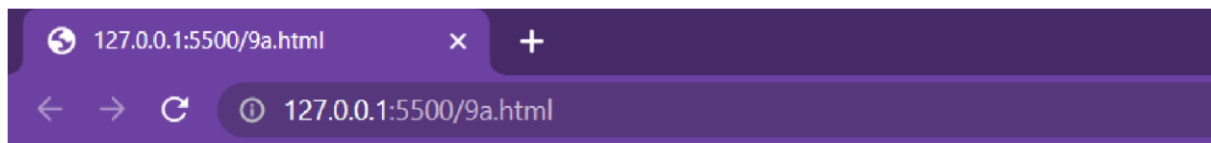
<button id="hide">Hide</button>

<button id="show">Show</button>

</body>

</html>
```

Output:



If you click on the "Hide" button, I will disappear.

10b) jQuery Fade

Source Code:

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script> <script>

$(document).ready(function(){

    $("button").click(function(){

        $("#div1").fadeIn();

        $("#div2").fadeIn("slow");

        $("#div3").fadeIn(3000);

    });

});

</script>

</head>

<body>

<p>Demonstrate fadeIn() with different parameters.</p>

<button>Click to fade in boxes</button><br><br>

<div id="div1" style="width:80px;height:80px;display:none;background-color:red;"></div><br>

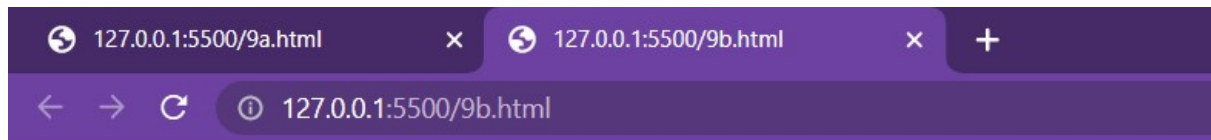
<div id="div2" style="width:80px;height:80px;display:none;background-color:green;"></div><br>

<div id="div3" style="width:80px;height:80px;display:none;background-color:blue;"></div>

</body>

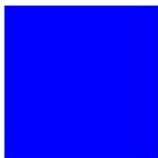
</html>
```


Output:



Demonstrate `fadeIn()` with different parameters.

Click to fade in boxes



10c) Slide Down:

Source Code:

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script> <script>

$(document).ready(function(){

    $("#flip").click(function(){

        $("#panel").slideDown("slow");

    });

});

</script>

<style> #panel, #flip { padding: 5px; text-align: center; background-color: #e5eccc; border: solid
1px #c3c3c3;

}

#panel { padding: 50px; display: none;

}

</style>

</head>

<body>

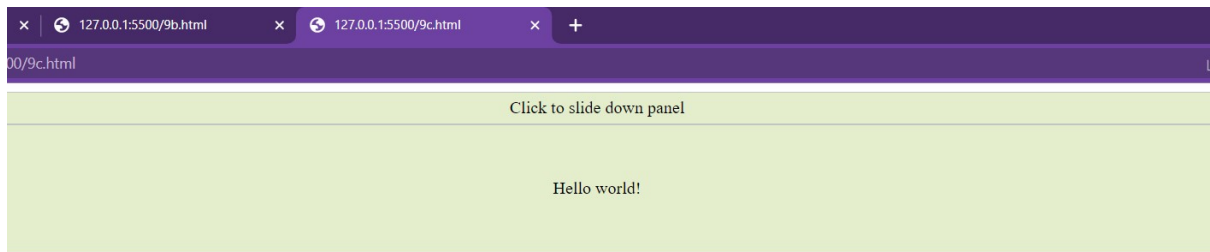
<div id="flip">Click to slide down panel</div>

<div id="panel">Hello world!</div>

</body>

</html>
```

Output:



4) Create Web Server on Node JS:

```
var http = require('http'); http.createServer(function  
(req, res) { res.writeHead(200, {'Content-Type':  
'text/html'}); res.end('Hello World how are you?');  
}).listen(8080)
```

Output:

