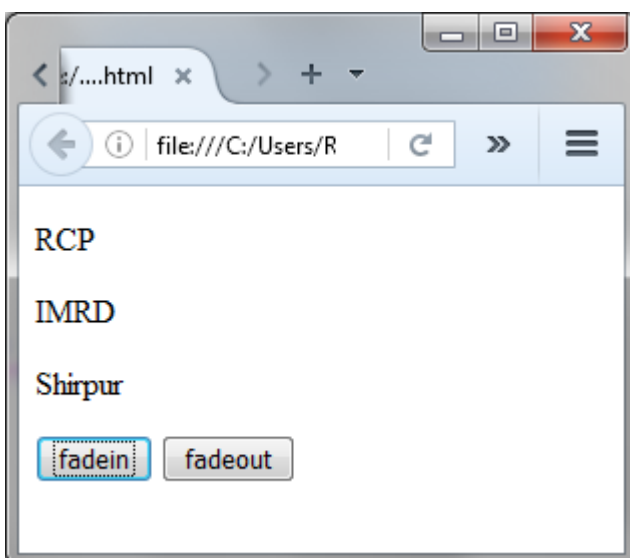## 1) JQuery for Demonstrating Fade-in & Fade-Out

```
<!DOCTYPE html>
<html>
<head>
<script src="jquery-3.1.1.min.js">
</script>
<script>
$(document).ready(function(){
    $("#fadeIn").click(function(){
    $("p").fadeIn();
});
    $("#fadeOut").click(function(){
    $("p").fadeOut();
});
});
</script>
</head>
<body>
<p>RCP</p>
<p>IMRD</p>
<p>Shirpur</p>
<input type="button" id="fadeIn" value="fadein">
<input type="button" id="fadeOut" value="fadeout">
</body>
</html>
```
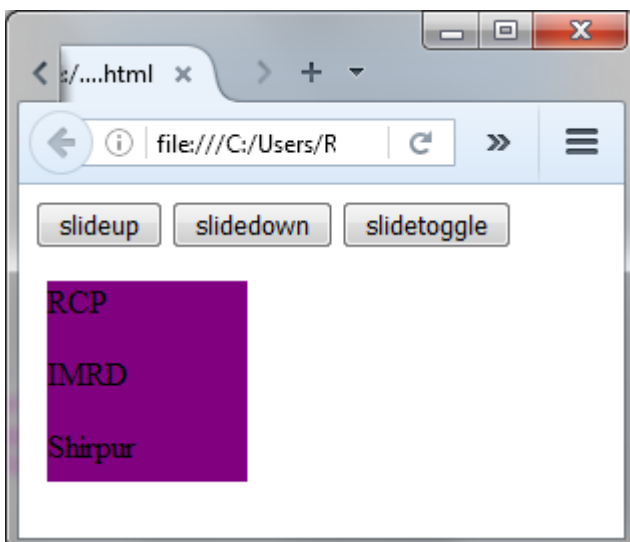
2) JQuery for Demonstrating Slide Up , Slide down & Slide Toggle

```
<!DOCTYPE html>
<html>
<head>
<script src="jquery-3.1.1.min.js">
</script>
<script>
$(document).ready(function(){
   $("#slide").click(function(){
   $("#div").slideUp();
});
   $("#slide1").click(function(){
   $("#div").slideDown();
});

   $("#slide2").click(function(){
   $("#div").slideToggle();
});
});
</script>
</head>
<body>
<input type="button" id="slide" value="slideup">
<input type="button" id="slide1" value="slidedown">
<input type="button" id="slide2" value="slidetoggle">
<div id="div" style="background:purple;height:100px;width:100px;margin:6px;">
<p>RCP</p>
<p>IMRD</p>
<p>Shirpur</p>
</div>
</body>
</html>
```
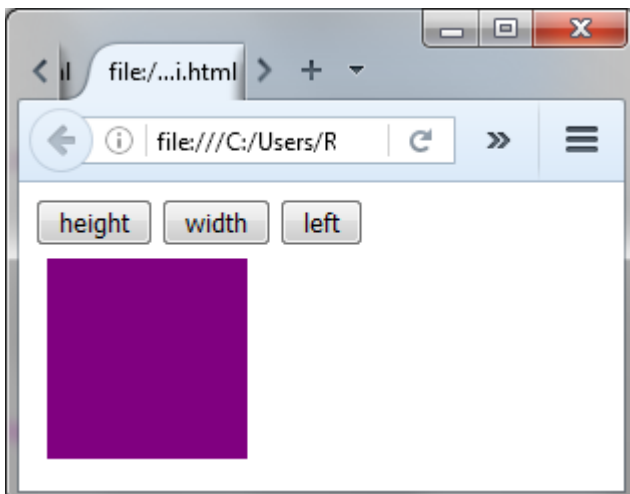
3) JQuery for Demonstrating Animate Method

```
<!DOCTYPE html>
<html>
<head>
<script src="jquery-3.1.1.min.js">
</script>
<script>
$(document).ready(function(){
  $("#btn1").click(function(){
      $("#div").animate({height: "300px"});
   });
   $("#btn2").click(function(){
      $("#div").animate({width: "500px"});
   });
 $("#btn3").click(function(){
      $("#div").animate({marginLeft: "200px"},2000,"linear");
   });
});
</script>
</head>
<body>
<input type="button" id="btn1" value="height">
<input type="button" id="btn2" value="width">
<input type="button" id="btn3" value="left">
<div id="div" style="background:purple;height:100px;width:100px;margin:6px;">
</div>
</body></html>
```

4) JQuery for Demonstrating Animation Chaining

```html
<!DOCTYPE html>

<html>

<head>

<script src="jquery-3.1.1.min.js">

</script>

<script>

$(document).ready(function(){

    $("#b1").click(function(){

    $("p").animate({fontSize: '300%'},2000)

            .animate({fontSize: '100%'},2000)

});

});

</script>

</head>

<body>

<p>RCPIMRD</p>

<input type="button" id="b1" value="change">

</body>

</html>
```

5) JQuery for Demonstrating Animation Queuing

```
<!DOCTYPE html>

<html>

<head>

<script src="jquery-3.1.1.min.js">

</script>

<script>

$(document).ready(function(){

   $("#b1").click(function(){

   $("p").animate({fontSize: '300%'},2000)

        $("p").animate({fontSize: '100%'},2000)

});

});

</script>

</head>

<body>

<p>RCPIMRD</p>

<input type="button" id="b1" value="change">

</body>

</html>
```
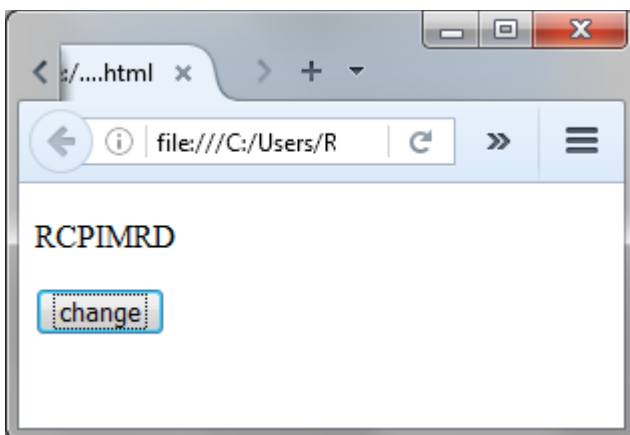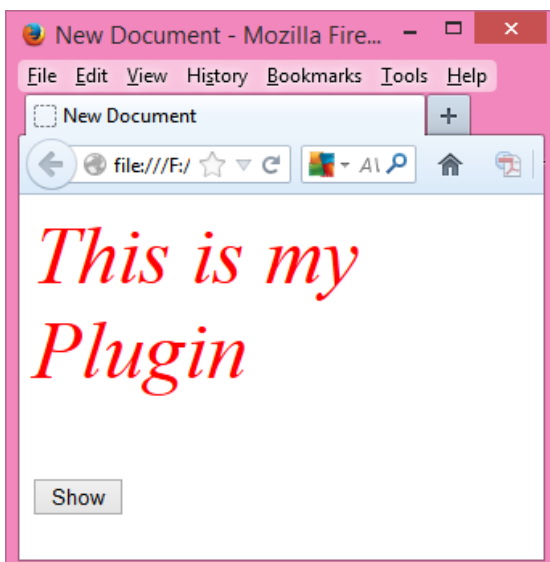
6) Program for custom(User Defined) plugin

// myjq.jsfile

```
(function($){
$.fn.makeChange=function(){
this.css({color:"red",fontStyle:"Italic",fontSize:50});
return this;
  };
}(jQuery));
```

//.html file

```
<!DOCTYPE html>
<html>
<head>
<script src="jquery-3.1.1.min.js">
</script>
<script src="myjq.js">
</script>
<script>
$(document).ready(function(){
   $("#b1").click(function()
        {
                $("p").makeChange();
        }
        )
});
</script>
</head>
<body>
<p>This is my plugin</p>
<input type="button" id="b1" value="show">
</body>
</html>
```

7) Program for Jquery UI Draggable Interaction
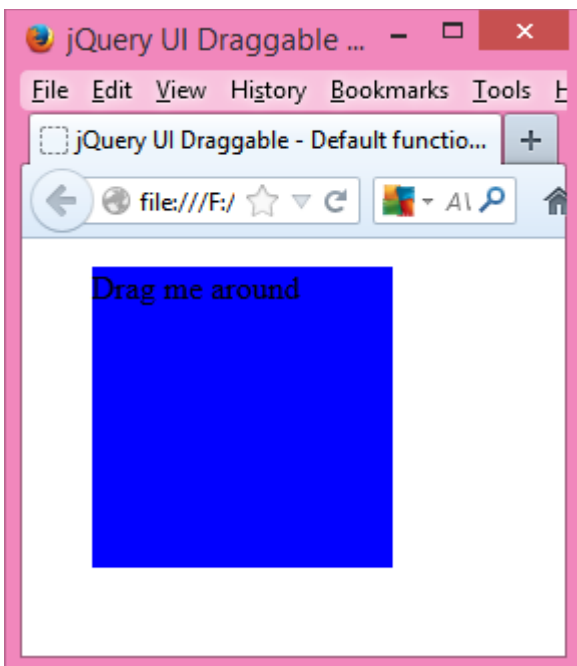
```
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>

<style>
      #draggable {      width: 150px;
                        height: 150px;
                        background:blue;
                }
</style>


<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
<script>
  $( function() {
    $( "#draggable" ).draggable();
  } );

</script>
</head>
<body>

<div id="draggable">
<p >Drag me around</p>
</div>
</body>
</html>
```

8) Program for Jquery UI Resizable Interaction

```
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>

<style>
     #resizable{  width: 150px;
                  height: 150px;
                  background:blue;
                  }
</style>

<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
<script>
  $( function() {
    $( "#resizable" ).resizable();
  } );

</script>
</head>
<body>

<div id="resizable">
<p >Drag me around</p>
</div>
</body>
</html>
```
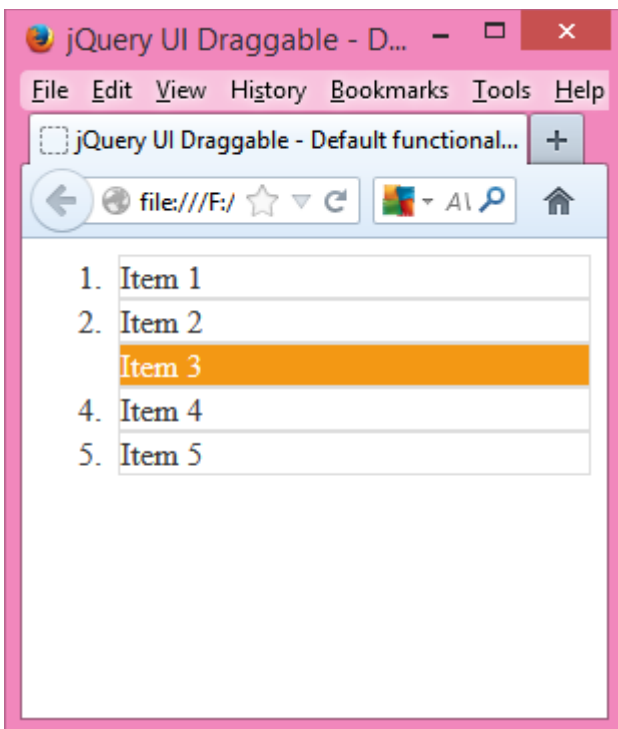
9) Program for Jquery UI Selectable Interaction

```html
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>
<style>

  #selectable .ui-selected { background: #F39814; color: white; }
</style>
<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
<script>
  $( function() {
    $( "#selectable" ).selectable();
  } );

</script>
</head>
<body>

<ol id="selectable">
<li class="ui-widget-content">Item 1</li>
<li class="ui-widget-content">Item 2</li>
<li class="ui-widget-content">Item 3</li>
<li class="ui-widget-content">Item 4</li>
<li class="ui-widget-content">Item 5</li>
</ol>
</body>
</html>
```

10) Program for Jquery UI Sortable Interaction

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>
<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
<script>
  $( function() {
    $( "#sortable" ).sortable();

  } );

</script>
</head>
<body>



<ul id="sortable">
<li>Item 1</li>
<li>Item 2</li>
<li class="ui-state-default">Item 3</li>
</ul>

</body>
</html>
```
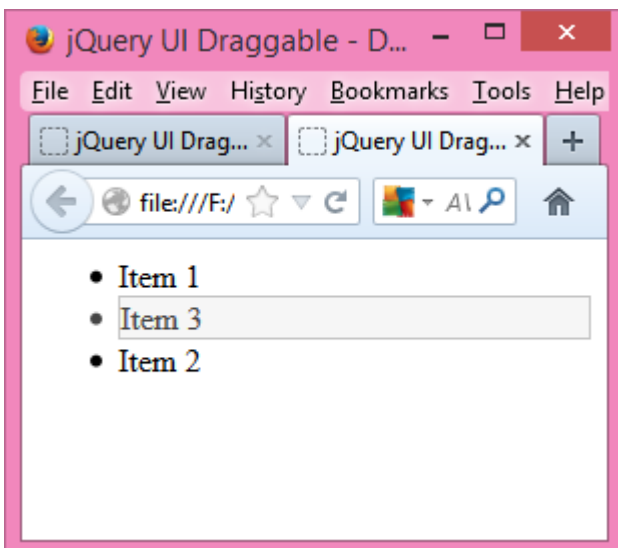
11) Program for demonstrating Autocomplete Widget

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>
<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
</head>
<body>

<script>
  $( function() {
varavailableTags = [
      "ActionScript", "AppleScript", "Asp",
      "BASIC",
      "C",
      "C++",
      "Clojure",
      "COBOL",
      "ColdFusion",
      "Erlang",
      "Fortran",
      "Groovy",
      "Haskell",
      "Java",
      "JavaScript",
      "Lisp",
      "Perl",
      "PHP",
      "Python",
      "Ruby",
      "Scala",
      "Scheme"
    ];
    $( "#tags" ).autocomplete({
source: availableTags
    });
  } );
</script>
</head>
Enter Name  <input type="text" id="tags">
</body>
</html>
```
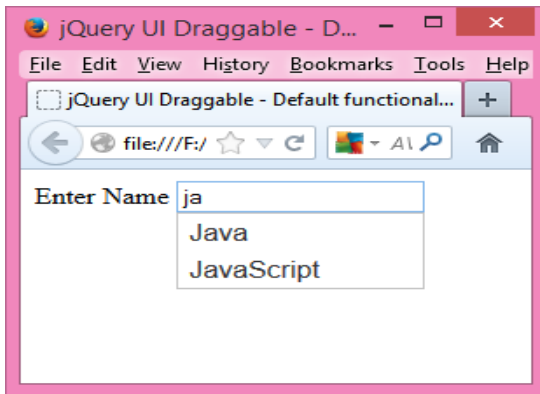
12) Program for demonstrating Datepicker Widget

```html
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>
<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
</head>


<script>
 $( function() {
    $( "#datepicker" ).datepicker();
  } );
</script>
</head>
<body>

<p>Date: <input type="text" id="datepicker"></p>

</body>
</html>
```
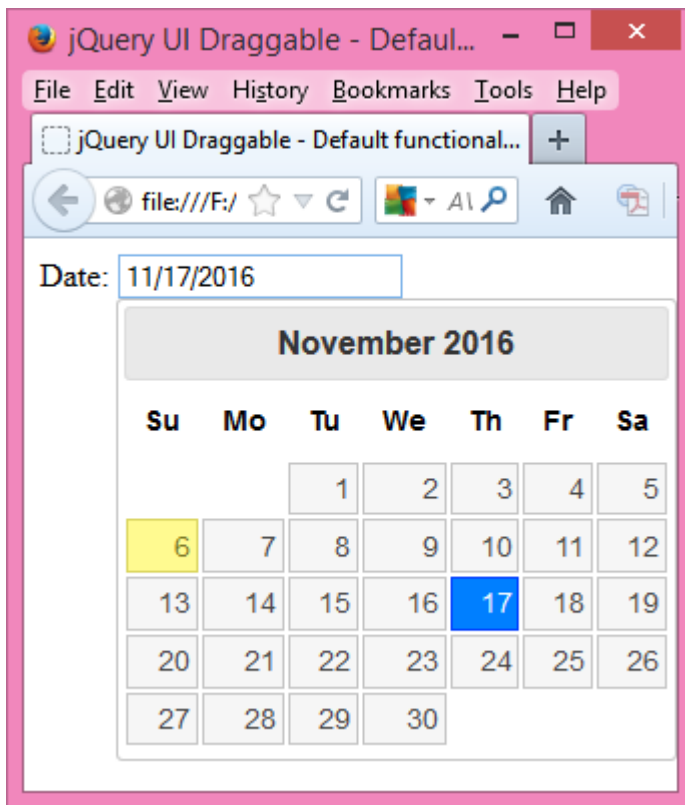
13) Program for demonstrating Dialog Widget

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>
<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
</head>

<script>
$( function() {
    $( "#dialog" ).dialog();
  } );
</script>
</head>
<body>

<div id="dialog" title="Basic dialog">
<p>This is the default dialog which is useful for displaying information.
The dialog window can be moved, resized and closed with the 'x' icon.</p>
</div>


</body>
</html>
```
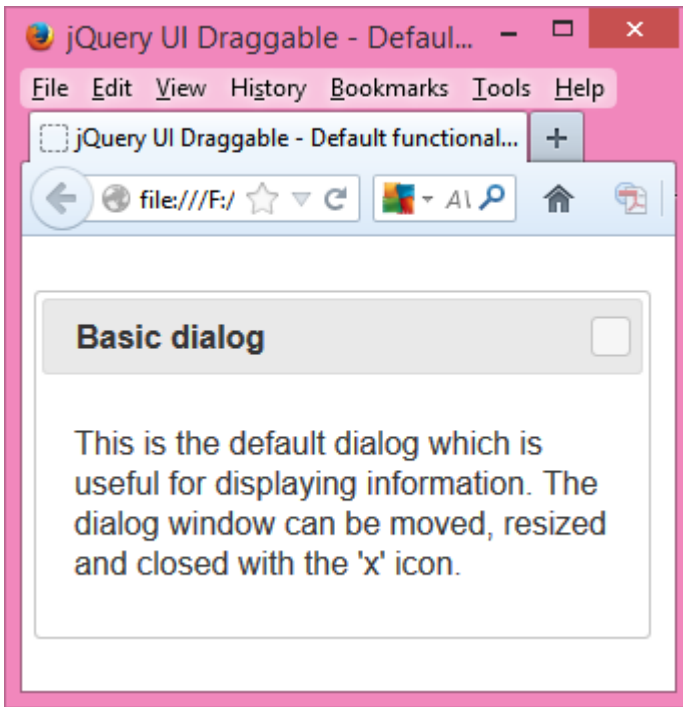
14) Program for demonstrating Slider Widget

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<head>
<title>jQuery UI Draggable - Default functionality</title>
<link rel="stylesheet" href="jquery-ui.css">
<scriptsrc="jquery-3.1.1.js"></script>
<script src="jquery-ui.js"></script>
</head>

<script>
  $( function() {
    $( "#slider" ).slider();
  } );
</script>
</head>
<body>

<div id="slider"></div>

</body>
</html>
```
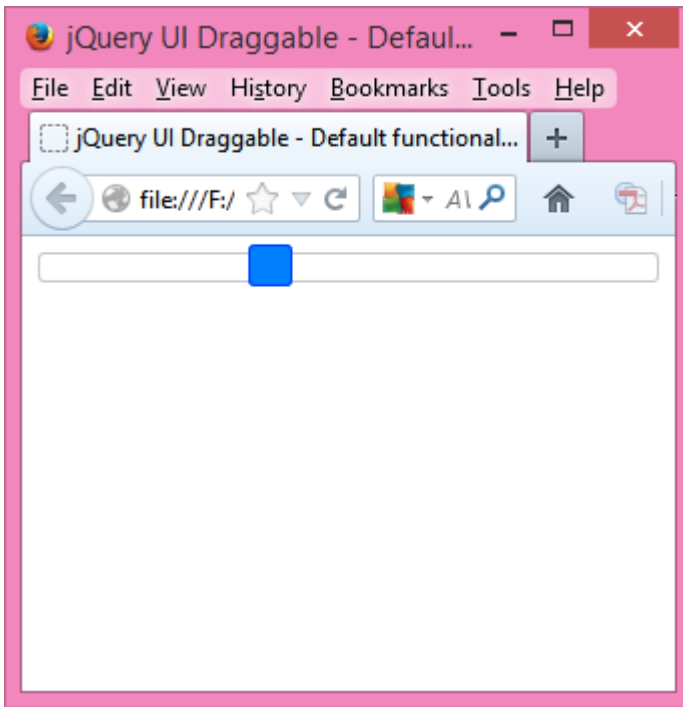
15) Demonstration of Ajax XMLHTTPRequest Object

```html
<!DOCTYPE html>
<html>
<body>

<h1>The XMLHttpRequest Object</h1>

<p id="demo">Let AJAX change this text.</p>

<button type="button" onclick="loadDoc()">Change Content</button>

<script>
function loadDoc() {
  var xhttp;
  if (window.XMLHttpRequest) {
    // code for modern browsers
    xhttp = new XMLHttpRequest();
    } else {
    // code for IE6, IE5
    xhttp = new ActiveXObject("Microsoft.XMLHTTP");
  }
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo").innerHTML = this.responseText;
    }
  };
  xhttp.open("GET", "info.txt", true);
  xhttp.send();
}
</script>

</body>
</html>
```
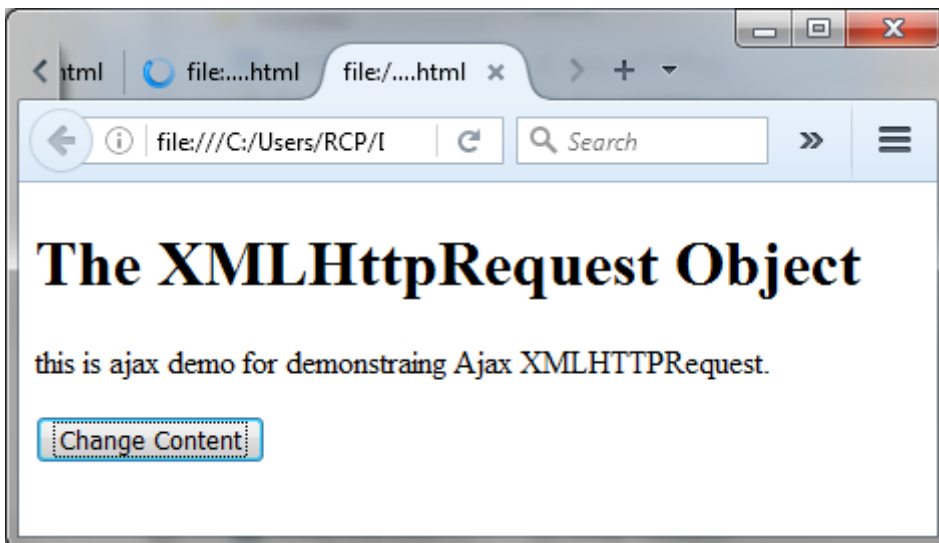
info.txt
this is ajax demo
for demonstraing Ajax XMLHTTPRequest.

16) Demonstration of Ajax with XML Data

```html
<html>
<body>

<h1>The XMLHttpRequest Object with XML Data</h1>

<p id="demo"></p>

<script>

var xhttp, xmlDoc, txt, x, i;
xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {
   xmlDoc = this.responseXML;

  txt = "";

  x = xmlDoc.getElementsByTagName("Class");

  for (i = 0; i < x.length; i++) {
   txt = txt + x[i].childNodes[0].nodeValue + "<br>";
  }
  document.getElementById("demo").innerHTML = txt;
  }
};
xhttp.open("GET", "stud.xml", true);
xhttp.send();
</script>

</body>
</html>
```

stud.xml

```
<College>
        <Dept>
        <TITLE>MCA</TITLE>
        <Class>MCA-3</Class>
        <Student>60</Student>
        </Dept>

        <Dept>
        <TITLE>Dual MCA</TITLE>
        <Class>Daul MCA-3</Class>
        <Student>30</Student>
        </Dept>

        <Dept>
        <TITLE>MBM</TITLE>
        <Class>MBM2</Class>
        <Student>50</Student>
        </Dept>
</College>
```


17) Demonstration of Ajax GET Method

```
<html>
<head>
<scriptsrc="jquery-3.1.1.min.js"></script>
<script>
$(document).ready(function(){
   $("button").click(function(){


     $.get("demo.php",
     {
name: "RCPIMRD",
city: "Shirpur"
     },
function(data,status){
```

```
alert("Data: " + data+ "\nStatus: " + status);
        });
    });
});
</script>
</head>
<body>

<button>Send an HTTP GET request to a page and get the result back</button>

</body>
</html>
```

demo.php :-

```
<?php
$name=$_GET['name'];
$city=$_GET['city'];
echo $name." ".$city;
?>
```
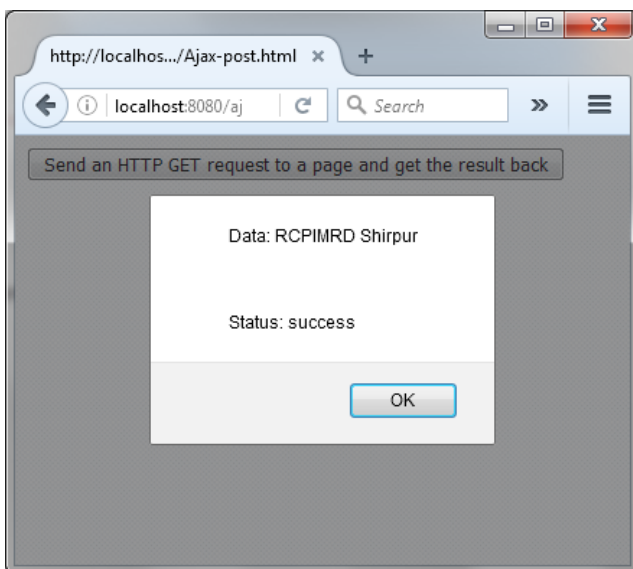

18) Demonstration of Ajax POST Method

```
<html>
<head>
<scriptsrc="jquery-3.1.1.min.js"></script>
<script>
$(document).ready(function(){
   $("button").click(function(){


    $.post("demo.php",
     {
name: "RCPIMRD",
city: "Shirpur"
     },
function(data,status){
```

```
alert("Data: " + data+ "\nStatus: " + status);
        });
    });
});
</script>
</head>
<body>

<button>Send an HTTP POST request to a page and get the result back</button>

</body>
</html>
```

demo.php :-

```php
<?php
$name=$_POST['name'];
$city=$_POST['city'];
echo $name." ".$city;
?>
```