Ex. No. : **Date :**

Roll No. : **Reg. No. :**

AJAX - File

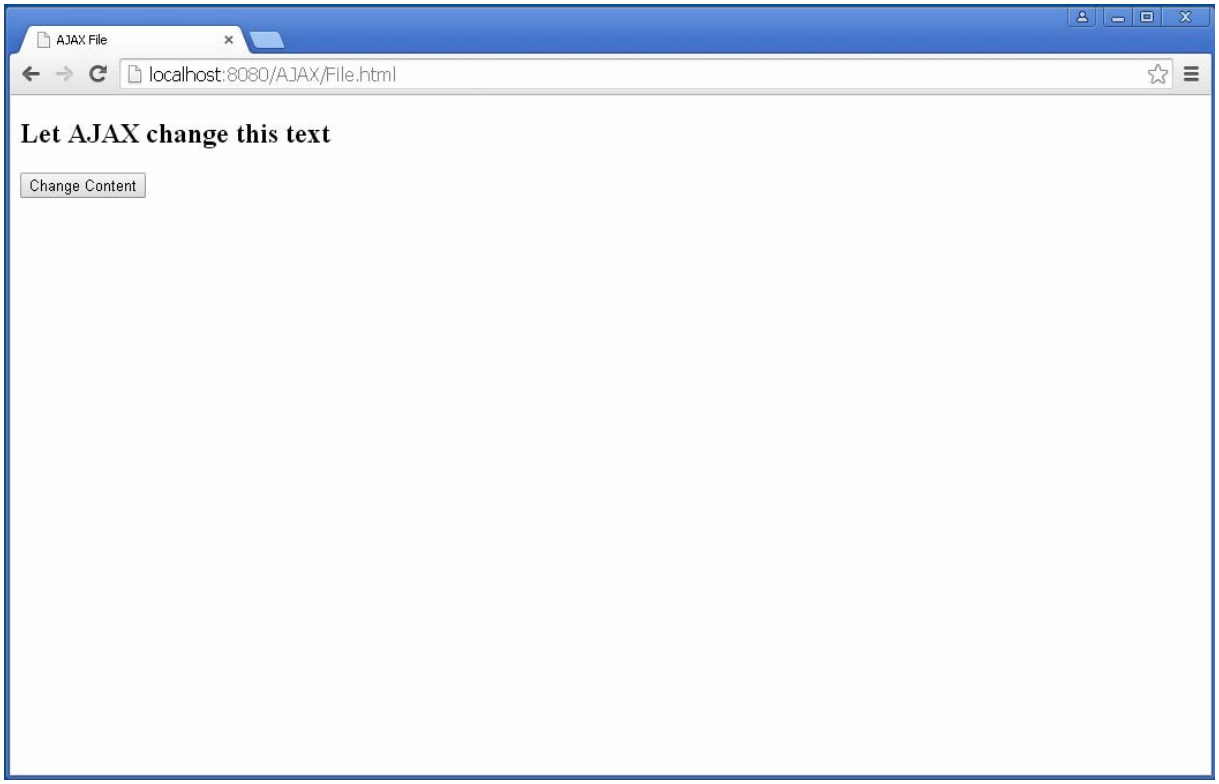
Aim:

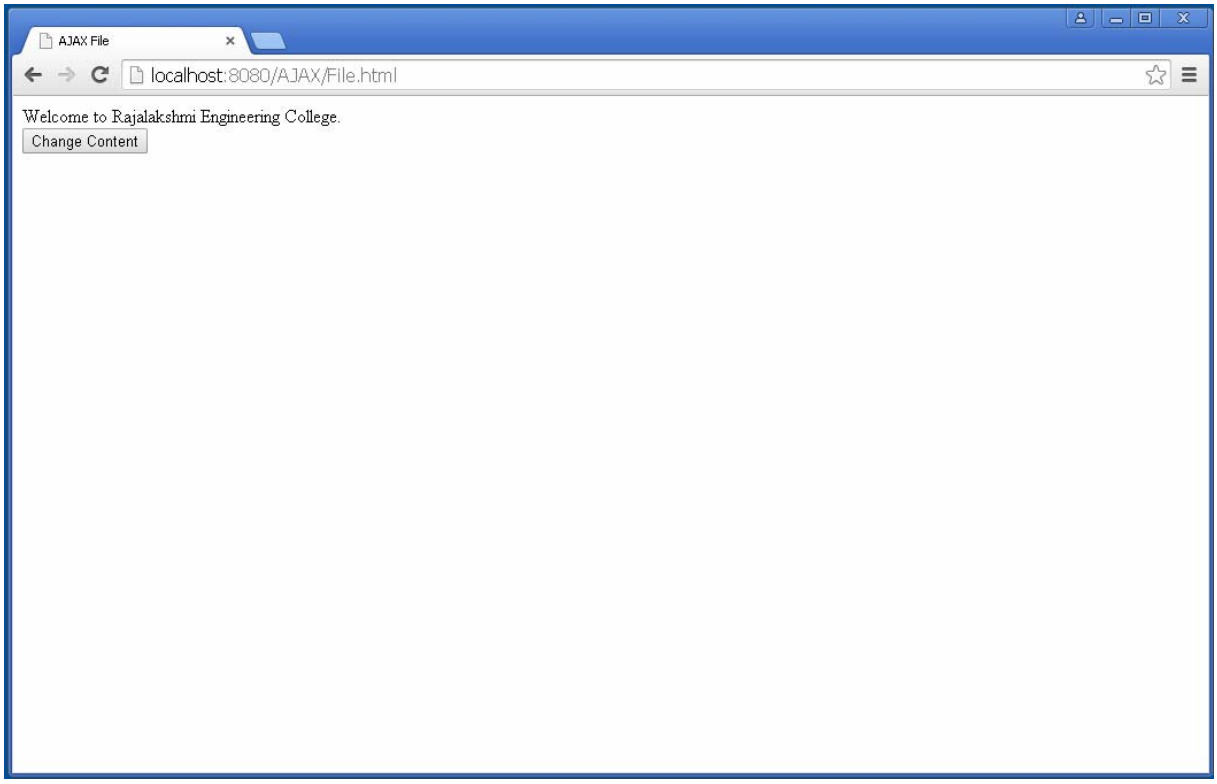
Program to create a simple XMLHttpRequest, and retrieve data from a TXT file.

Procedure:

1. Create a text document file rec.txt.
2. Type some context in that file.
3. Create a HTML document file File.html.
4. Inside the BODY tag create one div section and one button.
5. Use the div section to display information returned from a server.
6. Make the button to calls a function named loadXMLDoc(), if it is clicked.
7. Add a <script> tag to the page's head section.
8. Inside the script section create the loadXMLDoc() function.
9. To handle all modern browsers, including IE5 and IE6, check if the browser supports the XMLHttpRequest object.
10. If it does, create an XMLHttpRequest object, if not, create an ActiveXObject.
11. To send a request to a server, use the open() method of the XMLHttpRequest object.
12. Use the url parameter of the open() method, an address to a file on a server.
13. Use the responseText property returns the response as a string, and can use it accordingly.

Output:


AJAX File
localhost:8080/AJAX/File.html
Let AJAX change this text
Change Content


AJAX File
localhost:8080/AJAX/File.html
Welcome to Rajalakshmi Engineering College.
Change Content

Ex. No. : **Date :**

Roll No. : **Reg. No. :**

AJAX - JSP

Aim:

Program to demonstrate how a web page can communicate with a web server while a user type characters in an input field.

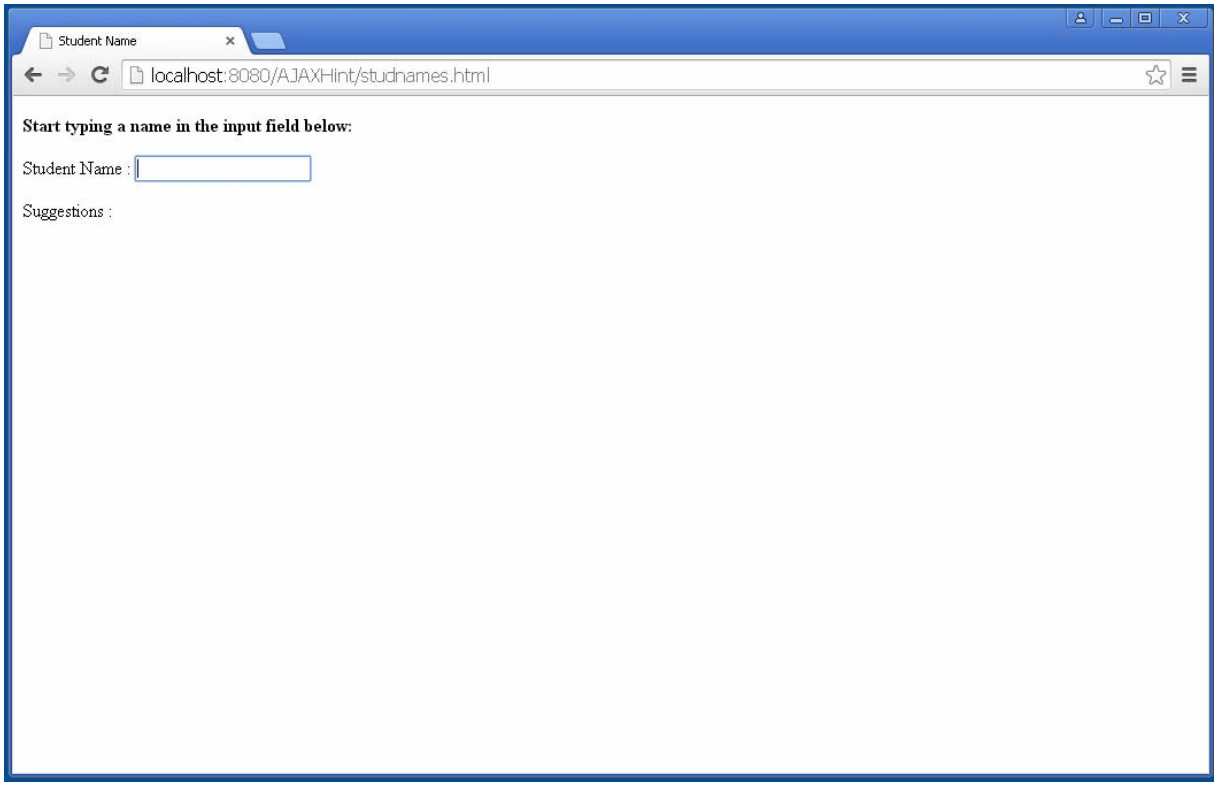
Procedure:

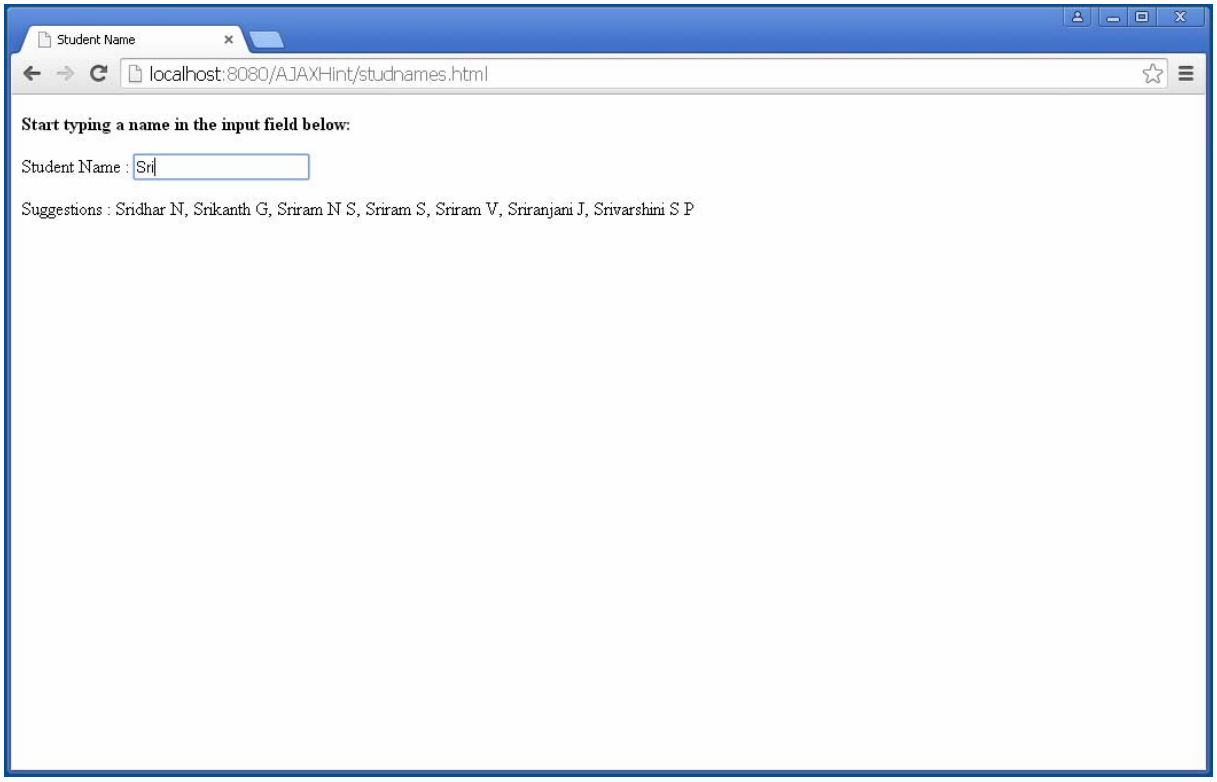
1. Create a HTML document file Studnames.html.
2. Inside the BODY tag create one label and one input field.
3. When a user types a character in the input field, caal the function "showName()" and execute.
4. Call the function is triggered by the onkeyup event.
5. Add a <script> tag to the page's head section.
6. Inside the script section create the showName() function.
7. Check if the input field is empty (str.length == 0).
8. If it is, clear the content of the txtHint placeholder and exit the function.
9. If the input field is not empty, do the following:

    - Create an XMLHttpRequest object
    - Create the function to be executed when the server response is ready
    - Send the request off to a JSP file (gename.jsp) on the server
    - Notice that q parameter is added gethint.jsp?q="+str
    - The str variable holds the content of the input field

10. To handle all modern browsers, including IE5 and IE6, check if the browser supports the XMLHttpRequest object.
11. If it does, create an XMLHttpRequest object, if not, create an ActiveXObject.
12. To send a request to a server, use the open() method of the XMLHttpRequest object.
13. Use the url parameter of the open() method, an address to a file on a server.
14. Use the responseText property returns the response as a string, and can use it accordingly.
15. Create a JSP document file getname.jsp.
16. Create the array which contains the list of student names.

Output:


Student Name
localhost:8080/AJAXHint/studnames.html
Start typing a name in the input field below:
Student Name :
Suggestions :


Student Name
localhost:8080/AJAXHint/studnames.html
Start typing a name in the input field below:
Student Name : Sri
Suggestions : Sridhar N, Srikanth G, Sriram N S, Sriram S, Sriram V, Sriranjani J, Srivarshini S P

Ex. No. : **Date :**

Roll No. : **Reg. No. :**

AJAX – JSP - MySQL

Aim:

Program to demonstrate hw a web page can fetch information from a database with AJAX.

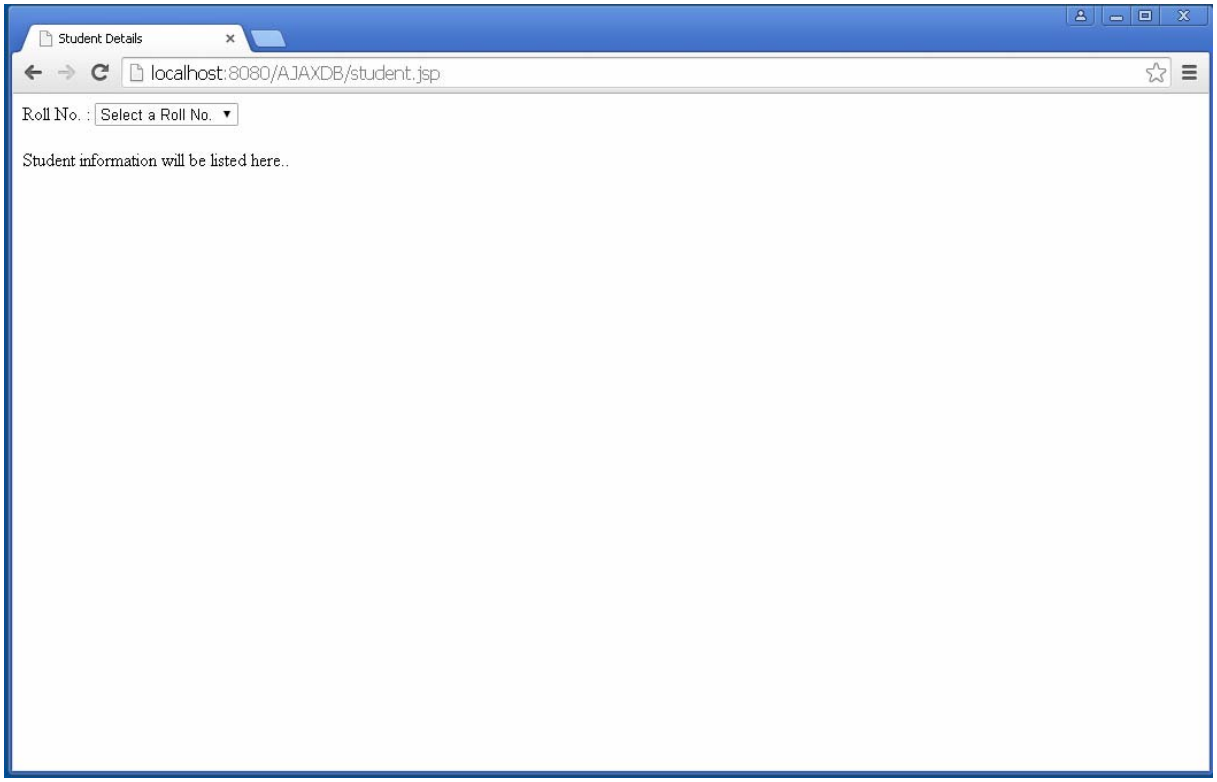
Procedure:

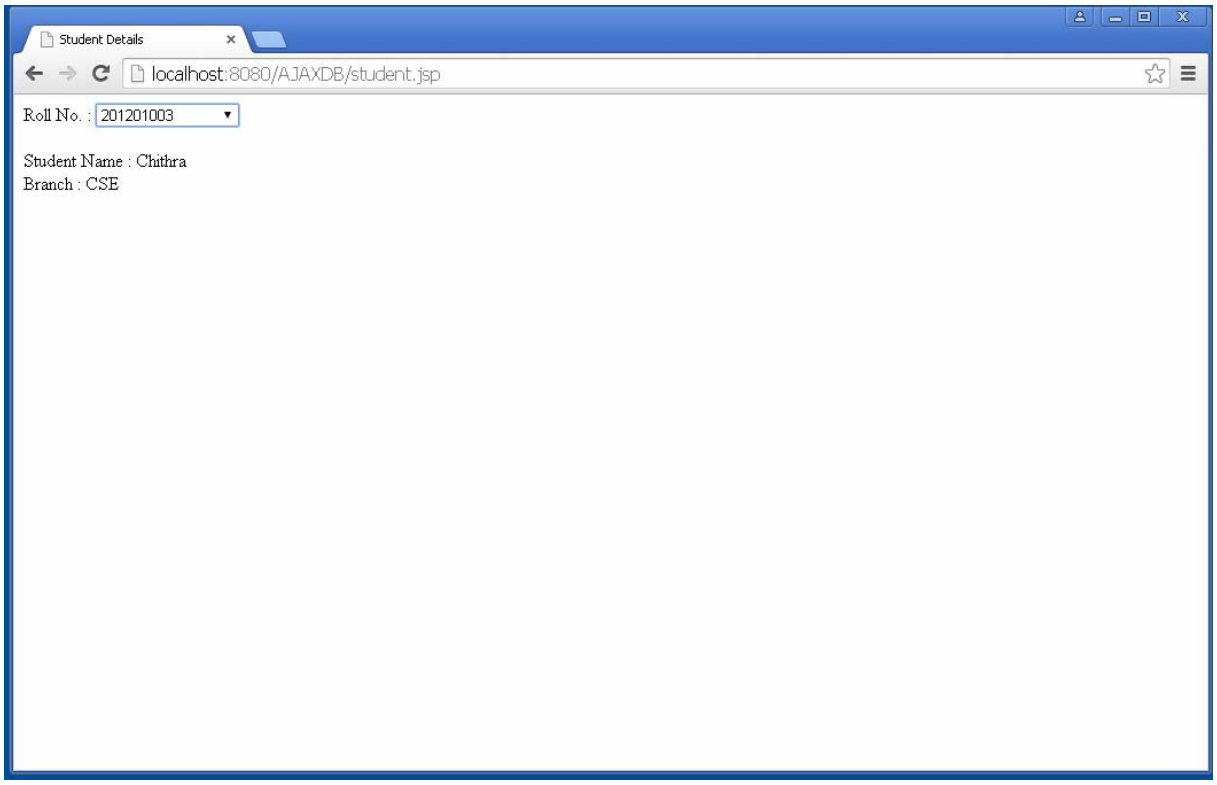
1. Create a JSP document file student.jsp.
2. Inside the BODY tag create one label and one select option field.
3. When a user selects a student roll number in the dropdown list above, a function called "showStudent()" is executed.
4. The function is triggered by the "onchange" event.
5. Add a <script> tag to the page's head section.
6. Inside the script section create the showstudent() function.
7. The showCustomer() function does the following:

    - Check if a student roll number is selected
    - Create an XMLHttpRequest object
    - Create the function to be executed when the server response is ready
    - Send the request off to a file on the server
    - Notice that a parameter (q) is added to the URL (with the content of the dropdown list)

8. To handle all modern browsers, including IE5 and IE6, check if the browser supports the XMLHttpRequest object.
9. If it does, create an XMLHttpRequest object, if not, create an ActiveXObject.
10. To send a request to a server, use the open() method of the XMLHttpRequest object.
11. Use the url parameter of the open() method, an address to a file on a server.
12. Use the responseText property returns the response as a string, and can use it accordingly.
13. Create a JSP document file getstudent.jsp.
14. The source code in "getstudent.jsp" runs a query against a database, and returns the result in an HTML.

Output:


Student Details
localhost:8080/AJAXDB/student.jsp
Roll No. : Select a Roll No.
Student information will be listed here..


Student Details
localhost:8080/AJAXDB/student.jsp
Roll No. : 201201003
Student Name : Chithra
Branch : CSE