



Tutorial No. 6

Title: Form Validation with JavaScript



Batch:

Roll No.:

Tutorial No.: 6

Aim: Design a web page containing a form and perform appropriate client side validation on that form

Theory

What is form validation:- Form validation helps us to ensure that users fill out forms in the correct format, making sure that submitted data will work successfully with our applications. When you don't enter your data in the format they are expecting. You'll get messages such as:

- "This field is required" (you can't leave this field blank)
- "Please enter your phone number in the format xxx-xxxx" (it enforces three numbers followed by a dash, followed by four numbers)
- "Please enter a valid e-mail address" (if your entry is not in the format of "somebody@example.com")
- "Your password needs to be between 8 and 30 characters long, and contain one uppercase letter, one symbol, and a number"

Client-side validation is validation that occurs in the browser before the data has been submitted to the server. This is more user-friendly than server-side validation as it gives an instant response. This can be further subdivided:

- JavaScript validation is coded using JavaScript. It is completely customizable.
- Built-in form validation using HTML5 form validation features. This generally does not require JavaScript. Built-in form validation has better performance, but it is not as customizable as JavaScript.

Activity

Apply validation in form using Regex/Built in validation/Event handling. Choose appropriate techniques

Results: (Program printout with output)

Outcomes:

Conclusion: (Conclusion to be based on the outcomes achieved)

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of faculty in-charge with date

References:

Books/ Journals/ Websites:

- “Web technologies: Black Book”, Dreamtech Publications
- <http://www.w3schools.com>

