Assignment **HTML CSS**

1. Execute HTML pages under apache server (url should start with **http://localhost**)
2. Minimum **4 HTML pages** should be created and **linked with each other**
3. HTML Tags should be used **anchor , Table , Image , List , Form , paragraph**
4. CSS can be used as **INTERNAL** OR **EXTERNAL** OR **INLINE**
5. In CSS use of **selector is Mandatory**.

Questions

1. Which HTML Tags used in code ? explain tags
2. Which type of CSS is Used ? Explain types of CSS
3. Explain which type of CSS selector is used in CSS code
4. Which HTML Version is used in Code
5. What do you mean by an Attribute in html ? which attributes are used in HTML Code

Assignment HTML CSS JAVASCRIPT (Validation)

Instructions

1. Use of External or Internal Javascript is mandatory.
2. Validation should be done either using **if-else condition or using Regular expression**
3. Validation should be done for following form elements

Field	Check for Validation
Name (texbox)	● Should not empty ● Should contain only characters
Password (password box)	● Should not empty ● Should be minimum 6 and maximum 10 characters long
Email id (texbox)	● Should not empty ● Should contain @ , .(dot) after .(dot) minimum 2 and maximum 3 character ● @, .(dot) should be in respective sequence
Phone Number(Numberbox)	● Should not empty ● Should conatin
Gender (radio Button)	Should be selected
Agree Term and condition (Checkbox)	Should be selected
City (drop Down List)	Value should be selected

Address or Comment (textarea)	Should not empty Should be less than 100 characters

1. What do you mean by validation ?
2. Is this code belongs to server side technology or client side technology
3. How to see error occurred during javascript code execution
4. How to write internal or external javascript in HTML
5. What did you mean by regular expression ?
6. How to declare simple variable in javascript
7. Is there any difference between java and javascript ?
8. What is DOM ? and how to access value of input using document method ?

Assignment : **CRUD using JSP Servlet**

Instructions

1. Select , update , insert and delete Sql queries should be executed by use of JSP or Servlet

Questions

1. What is use of servlet ?
2. How to make connectivity to database using JSP or Servlet **(JDBC DRIVER, jar file)**
3. Which method are used in Servlet **(GET or POST)**
4. What difference between GET and POST method
5. **Life Cycle** of Servlet
6. What did you mean by web container ?
7. How many statement used in JDBC (**Simple statement and Preparedstatement**)
8. What is difference between **executeUpdate** and **executeQuery** function
9. What is use of web.xml

Assignment : **CRUD using PHP MYSQL**

Instructions

1. Select , update , insert and delete Sql queries should be executed by use of php
2. Use of session is optional

Questions

1. How to make connectivity between PHP and mysql
2. What did you mean by **mysqli**
3. What is difference between echo and die
4. Features of PHP

Assignment **PHP MYSQL AJAX**

1. Any two operation should be performed using ajax
2. Ajax operations should be performed using jquery or simple Javascript
3. Student should explain how **xhr object will be transferred through network and how background call should be made**

1. What did you mean by AJAX
2. What is meaning of Asynchronous call ?
3. What are different state of AJAX
4. What are different status code of AJAX
5. In which format data is transferred in AJAX **(XML)**
6. Which method is used for transferring data **(GET or POST)**

Assignment: **Struts**

1. Execute Login page using struts
2. Login check should be performed using hardcoded data or using JDBC
3. Student should explain how MVC framework is implemented in Struts
   (Model - Action class , View - JSP file , controller (interface)- struts.xml)

1. What are struts features
2. What did you mean by MVC framework ?
3. What is action class **(POJO)**
4. What is controller
5. What is view
6. What is use of web.xml
7. What is use of struts.xml
8. What is meaning of filter
9. Which class is used as dispatch filter
10. How many libraries are used for struts2
11. What did you mean by **/* in struts.xml file ?**

Assignment : Angular js

1. Student should execute either calcular ,bill payment or todo list using angularjs
2. Student should use only local version of angularjs
3. Student should explain how MVC is implemented using angular js

1. What is angular js ?
2. What is MVC
3. How MVC is implemented in angularjs
4. What are component of angularjs
5. How many directives of angularjs were used in code
6. What is meaning of $scope ?
7. How to write expression in angularjs
8. How to write filter in angularjs
9. What is use of splice method(for Todo assignment)
10. Which is directives are mandatory in angularjs
11. What is meaning of two way binding in angularjs

Assignment: **EJB**

Instructions

1. Student should execute either calculator , Bank Operations or Factorial operation using EJB local bean

Questions

1. What is use of EJB beans ?
2. How many types of EJB beans are there ?
3. Working of EJB architecture ?
4. What is difference between Local bean and local bean