Web Application Designinig

Lab Manual

Practical 1

Introduction to Web Designing

a. Understanding Web Pages

b. Introduction to HTML

## What is HTML?

HTML is a language for describing web pages.

* HTML stands for **H**yper **T**ext **M**arkup **L**anguage
* HTML is a **markup** language
* A markup language is a set of markup **tags**
* The tags **describe** document content
* HTML documents contain HTML **tags** and plain **text**
* HTML documents are also called **web pages**

c. List of most frequently used HTML tags

d. Introduction to XHTML

e. HTML to XHTML

Practical 2

Develop a web page describing yourself that includes following:

1. Name (First, Middle, Last)

2. List of

1. Ordered list of Hobbies

2. Unordered list of favourite books & subjects

3. Prepare a table elaborating your Qualification (SSC, HSC, Diploma, Current education)

Note: Should include headers, labels, divisions, iframes.

Practical 3

Write webpages for passing data using:

1. get Method
2. post Method

Practical 4

Draft at least 4 web pages navigation menu & links that includes Homepage, My Works, About me, Contact with following layout/view.

Layout/View

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Site Logo | Header | | | |
| Links Pane | <--------------------- | ---------Navigation | Bar------------------ | ---------------------> |
| Page Description | | | |
| Custom objects  - Picture, Videos, Embeds | Custom objects  - Picture, Videos, Embeds | Custom objects  - Picture, Videos, Embeds | |
| Footer | | | |

Practical 5

Introduction to Cascading Style Sheets

1. Basic syntax, structure, internal CSS, External CSS.

2. Concentrating on HTMl/XHTML tags

3. Concentration on sytling, positioning, box models.

Practical 6

Customise the website using CSS.

Practical 7

Introduction to JavaScript

1. What is..
2. Developing JS { Simple JS, Variables, Functions, Conditions, Loops, Repetition

Practical 8

Advance JavaScripts

1. JS & Objects
2. JS & own Objects
3. DOM & Web Browser Envt.
4. Forms & Validations

Practical 9

Develop webpages that use DHTML Combining HTML, CSS, JS, events & Buttons, Validations

Practical 10

Introduction to XML

1. Uses of XML
2. Simple XML
3. XML Key Components

Practical 11

XML, XSL & XSLT.

1. Introduction to XSL
2. XML transformed simple example
3. XSL example
4. Transforming with XSLT