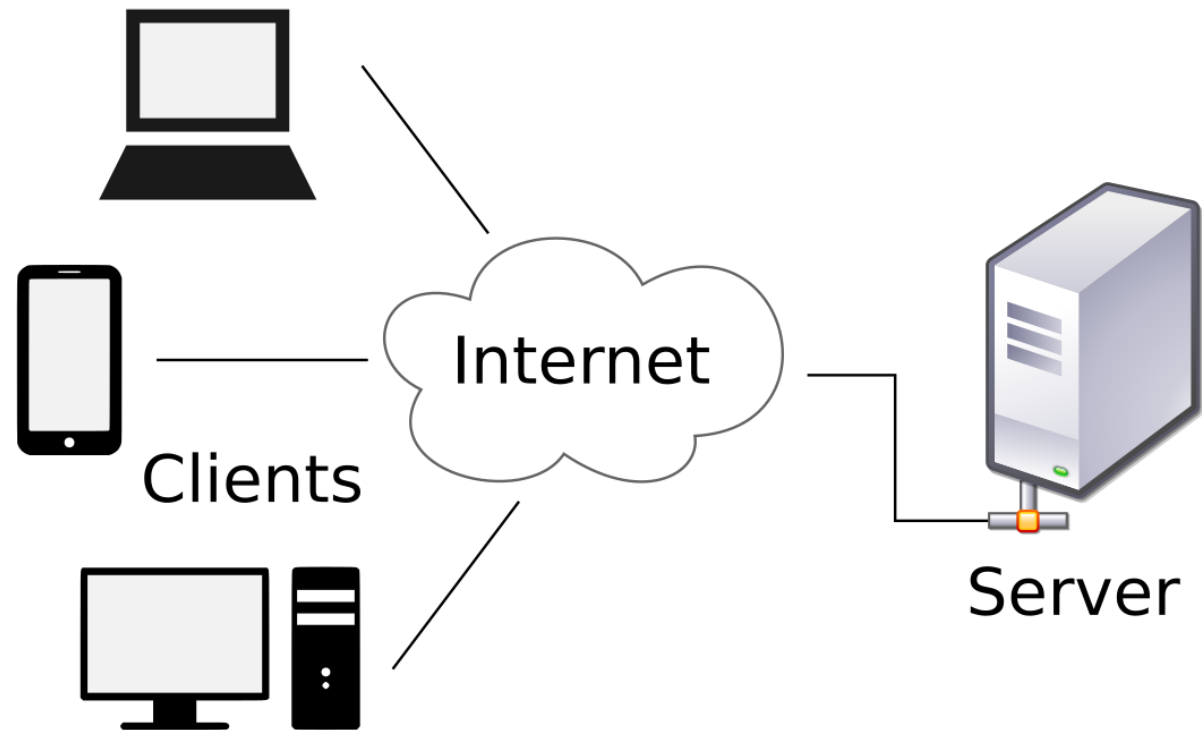


Web Development

Introduction

- ▶ **Coding / Programming** - Programming is the act of instructing computers to carry out tasks. It is often referred to as coding.
- ▶ **Website** - A website is a collection of web pages and related content that is identified by a common domain name and published on at least one web server. Notable examples are wikipedia.org, google.com, and amazon.com.

Client Server Model



HTML - Hyper Text Markup Language

- ▶ **Hypertext Markup Language (HTML)** is the standard markup language for documents designed to be displayed in a web browser.

VS Code Setup

- ▶ Download link - <https://code.visualstudio.com/>

Introduction to HTML tags

- ▶ `<html>` - tag represents the root of an HTML document.
- ▶ `<head>` - element is a container for metadata (data about data)
- ▶ `<body>` - defines the document
- ▶ `<h1> ... <h6>` - heading tags
- ▶ `<p>` - paragraph tag
- ▶ `<div>` - division container
- ▶ `<button>`
- ▶ `` - generic inline container
- ▶ `
` - break tag - new line

MDN - Mozilla Developer Network

► <https://developer.mozilla.org/>

Block Elements vs Inline Elements

- ▶ https://developer.mozilla.org/en-US/docs/Web/HTML/Inline_elements
- ▶ https://developer.mozilla.org/en-US/docs/Web/HTML/Block-level_elements

Lists

- a. `` - unordered list
- b. `` - ordered list
- c. `` - list element

Unordered Lists -

Types -

- ▶ disc
- ▶ square
- ▶ circle
- ▶ none

Ordered Lists -

- ▶ a - for lowercase letters
- ▶ A - for uppercase letters
- ▶ i - for lowercase Roman numerals
- ▶ I - for uppercase Roman numerals
- ▶ 1 - for numbers (default)

Other tags

- ▶ `<i>` - italic
- ▶ `<u>` - underline
- ▶ `` - bold (and underline in old browsers)
- ▶ `` - bold

 vs

- ▶ https://developer.mozilla.org/en-US/docs/Web/HTML/Element/strong#b_vs._strong

Anchor tag - <a>

- ▶ Link to some other website
- ▶ Link to other web page
- ▶ Navigation across paragraphs

Table tag - <table>

- ▶ table
- ▶ thead
- ▶ tbody
- ▶ tfoot
- ▶ tr
- ▶ th
- ▶ td

Attributes like

- ▶ border, cellspacing, cellpadding
- ▶ rowspan, colspan

Live Server

- ▶ <https://marketplace.visualstudio.com/items?itemName=ritwickdey.LiveServer>