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# Introduction to Web Development

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## Overview

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. Currently the latest standard is **HTML5**. Most of the time it is used in conjunction with *Cascading Style Sheets (CSS)* and *JavaScript (JS)*.

## Tutorial

Below is a very simple HTML document showing three main elements: **DTD**, **<head>** and **<body>**:

```
<!DOCTYPE html> <!-- HTML5 Document Type Definition -->
<html>
  <head>
    <title>HTML</title>
  </head>

  <body>
    <p>Welcome to HTML</p>
  </body>
</html>
```

## Document Type Definition (DTD)

The document type definition is **required** to be placed at the top of every HTML document:

HTML 4 Strict

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN"
"http://www.w3.org/TR/html4/strict.dtd">
```

HTML 4 Transitional

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0
Transitional//EN" "http://www.w3.org/TR/REC-html4/loose.dtd">
```

HTML 5

```
<!doctype html>
```

It is used to inform the browser about the version of HTML that is used in the document.

## Head

Tag	Purpose
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MongoDB
Express
NodeJS
React
Express-Testing
Networking
Security
Cloud Fundamentals
AWS Foundations
AWS Intermediate
Linux
DevOps
Jenkins Introduction
Jenkins Pipeline
Markdown
IDE Cheatsheet

Tag	Purpose
<title>	Defines title of document for browser tab, favourites and search engine results
<style>	Defines style information about this document
<link>	Defines where external style sheets should be linked from
<meta>	Specifies the page’s character set, description, keywords, author, viewport, etc
<script>	Defines client-side JavaScript (although more commonly included as last element of (<body>)
<base>	Specifies base URL and target for all relative URLs in a page

## Exercises

1. Create a HTML page with one large heading with the message "Welcome to HTML".
- Solution