

## \* Introduction to HTML5

HTML5 is the latest version of HTML and includes new features that allow web developers to create more interactive and engaging content for the web.

## Advantages of HTML5

- There are many attributes present in HTML5 that were not present in HTML. Eg, data-, offline, enables etc.
- It provides support for audio, video and other multimedia content by using tags like `<audio>`, `<video>`, `<canvas>` etc.
- There are many page layout options available in HTML5. In HTML you can only find page layout tags like `div`, `span` etc. But in HTML5, there are many more tag options available like `header`, `footer`, `article`, `section` etc.
- HTML5 supports search engine optimisation (SEO). Search engine optimisation helps the website to know about the popularity of their content and also provides insights on how to improve the content to increase the traffic on the websites.

## Disadvantage of HTML5

1. Can only be seen on modern browsers. Not compatible with older versions of various browsers. eg. Google Chrome version less than 60, Mozilla version 2 and 3.6 etc.
2. HTML5 is still in the development phase; therefore it might appear that a few features that worked before are not working now. Thus developers need to stay updated while using HTML5.



\* What are semantics tag

- In HTML semantics tags are tags that describes the meaning or purpose of the content they contain, semantic tags are used to add meaning to the content of a webpage, making it easier for search engines and other systems to understand the content of a webpage.

advantage

- improve readability and maintainability
- Enhanced accessibility
- Better SEO
- Simplified styling

Semantic HTML in different contexts

- Websites
- Web application
- E-commerce platforms
- Blogs and content management systems.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<title> Document </title>
```

```
</head>
```

```
<body>
```

```
<article>
```

```
  this is a sample article
```

```
</article>
```

```
<aside>
```

```
  <p> This is the first menu </p>
```

```
  <p> This is the second menu </p>
```

```
</aside>
```

```
<details>
```

```
  <summary> This a summary </summary>
```

```
  this is a detail
```

```
</details>
```

```
<footer> This is a footer </footer>
```

```
</body>
```

```
</html>
```