

HTML5 TUTORIAL

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Tags in HTML5

!DOCTYPE Declaration

a tag

abbr tag

article tag

aside tag

bdi tag

canvas tag

datalist tag

details tag

figure tag

footer tag

header tag

main tag

mark tag

menuitem tag

meter tag

nav tag

output tag

section tag

summary tag

progress tag

time tag

Examples

HTML Basic Examples

HTML5 Code structure

In the previous lessons, we learned about [HTML5 features](#), new APIs and elements introduced, etc. So, this is the right time to work on our first HTML program, whose output will be visible on a web page. This section is quite important for those who are starting with HTML5, since it covers HTML5 Code Structure.

To start working with HTML, create a Notepad file and save it with the extension **.html**, for example, *new.html*, *studyopedia.html*, *project.html*, etc.

After creating an HTML document, follow below to see what all gets added to an HTML5 document.

Specify doctype

While starting with HTML5, you need to add a doctype as shown below. Through this the web browser gets to know the version of the HTML, which we will be using in the document,

```
<!DOCTYPE html>
```

Specify Character Encoding

You need to specify the character encoding (charset) i.e.

```
<meta charset="UTF-8">
```

```
<meta charset="utf-8">
```

UTF-8 is the default charset in HTML5. UTF is a short form for Unicode Transformation Format and the '8' is its 8-bit blocks to represent a character.

Here's HTML5 Code Structure widely followed,

```
<!DOCTYPE html>
<html>

  <head>
    <meta charset="utf-8">
    <title>...</title>
  </head>

  <body>
    <header>...</header>
    <nav>
      <ul>...</ul>
    </nav>

    <section>
      <article>
        <header>
          ...
        </header>
      </article>
    </section>

    <aside>...</aside>
    <figure>...</figure>
    <footer>...</footer>

  </body>
</html>
```

For example,

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Studyopedia - Never Stop Learning</title>
  </head>

  <body>
    <header>
      <h1>Studyopedia - Tutorials</h1>
    </header>
    <nav>
      <ul>
        <li>Programming</li>
        <li>Database</li>
        <li>Mobile</li>
      </ul>
    </nav>

    <section>
      <article>
```

```

<article>
  <header>
    <h2>Start Learning Programming</h2>
    <p>In this tutorial, we will learn about programm
  </header>
</article>

<article>
  <header>
    <h2>Start Learning Databases</h2>
    <p>In this tutorial, we will learn about Database
  </header>
</article>

</section>

<aside>
  <h3>About Us</h3>
  <p>We provide free learning resources.</p>
</aside>
<figure>...</figure>
<footer>
  <p>Copyright 2017 Studyopedia. All rights reserved.</p>
</footer>

</body>
</html>

```

Here's the output,

Studyopedia - Tutorials

- Programming
- Database
- Mobile

Start Learning Programming

In this tutorial, we will learn about programming languages such as Java, C, etc.

Start Learning Databases

In this tutorial, we will learn about Databases such as MySQL, Oracle, etc.

About Us

We provide free learning resources.

...

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Above, we saw some HTML tags used in our program structure. Let's discuss them one by one, covering the newly introduced tags in HTML5,

<!DOCTYPE html>

This is the doctype you need to add at the top of every HTML

document.

<meta charset="utf-8">

Character encoding which is also called Charset. The default in HTML5 is UTF-8.

<header>

As the name tell, <header> tag is used to add header to the document.

<nav>

A tag introduced in HTML5 to add navigation links

<section>

Specify a section on the web page with this tag.

<article>

Under <article> tag, you can add independent content. Here, add a blog post, news, article, etc.

<aside>

Under <aside> tag, add content somewhat related to the page. It can be used to add sidebar content.

<figure>

The HTML5 tag is used to add an image in the document.

<footer>

A separate tag <footer> introduced in HTML5 to add footer. Here, you can add copyright information about your website.

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HTML5 Headings »



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