

Module 5) HTML5

Q-1) What are the new tags added in HTML5?

A-1) There are many types of new tags added in HTML5.

such as:

- <header></header>
- <footer></footer>
- <section></section>
- <article></article>
- <nav></nav>
- <svg></svg>etc.

A lot of new elements are added in HTML5 to facilitate some extra functionality to write an easy and fast code to create an engaging and effective website.

```
1
2 <html>
3 <body>
4   <header style="color:red">hello word</header>
5   <nav>
6     hello
7   </nav>
8   <section>
9     hello word
10  </section>
11  <article>
12    <h1>google chrome</h1>
13  </article>
14  <footer>
15    logo
16  </footer>
17 </body>
18 </html>
```

hello word
hello
hello word

google chrome

logo

Q-2) How to embed audio and video in a webpage?

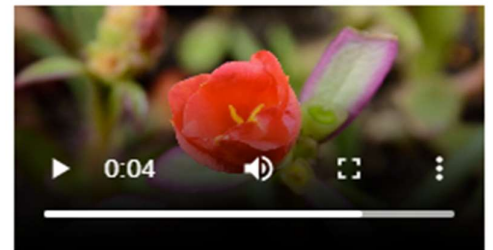
A-2)**embed video webpage:** The <video> element allows us to embed video files into an HTML, very similar to the way images are embedded.

Attributes we can include are:

- src
- type

```
<html>
<body>
<h1>Hello World</h1>
<video controls width="250">
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">

  <!--Download the video-->
  <a href="/media/cc0-videos/flower.webm">WEBM</a>
  or
  <a href="/media/cc0-videos/flower.mp4">MP4</a>
  video.
</video>
```



- **embed audio webpage:** The <audio> tag is used to embed sound content in a document, such as music or other audio streams. represented using the src attribute or the <source> element.

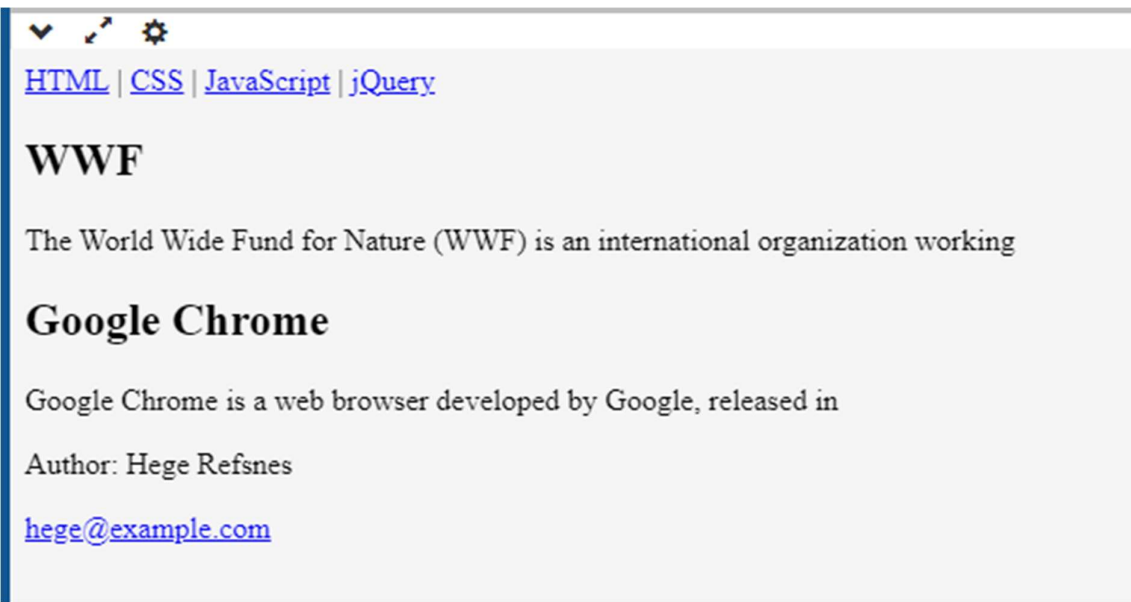


Q-3) Semantic element in HTML5?

A-3) In HTML there are some semantic elements that can be used to define different parts of a web page:

- `<article>`
- `<aside>`
- `<details>`
- `<figure>`
- `<footer>`
- `<header>`
- `<main>`
- `<mark>`
- `<nav>`
- `<section>`
- `<summary>`
- `<time>`

```
1
2 <html>
3 <body>
4   <nav>
5     <a href="/html/">HTML</a> |
6     <a href="/css/">CSS</a> ||
7     <a href="/js/">JavaScript</a> |
8     <a href="/jquery/">jQuery</a>
9   </nav>
10  <section>
11    <h1>WWF</h1>
12    <p>The World Wide Fund for Nature (WWF) is an international organization working
13    </p>
14  </section>
15  <article>
16    <h2>Google Chrome</h2>
17    <p>Google Chrome is a web browser developed by Google, released in </p>
18  </article>
19  <footer>
20    <p>Author: Hege Refsnes</p>
21    <p><a href="mailto:hege@example.com">hege@example.com</a></p>
22  </footer>
23 </body>
24 </html>
```



Q-4)Canvas and SVG tags?

A-4)**canvas:** The HTML5 canvas element can be used to draw graphics on the webpage via JavaScript.

SVG:SVG stands for Scalable vector graphics.

SVG images can be printed with high quality at any resolution.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8">
5 <title>Embedding SVG Into HTML Pages</title>
6 <style>
7   svg {
8     border: 1px solid black;
9   }
10 </style>
11 </head>
12 <body>
13   <svg width="300" height="200">
14     <rect x="50" y="50" width="200" height="100" style="fill:orange; stroke:black; stroke-width:3;" />
15   </svg>
16 </body>
17 </html>
```

