

## What's in the head? Metadata in HTML

- Head is a portion which we can't see in the web browser while the page is loaded. It contains a lot of information like title, CSS and JS file inclusion. It also contains the metadata( Data about the HTML page).
- <title> is the element which is used under head tag it contains the title of entire HTML document.

- **Metadata: the <meta> element**

It is the official way to add metadata in HTML Document.

1. To specify character encoding of a document.
2. Adding Author and description.

<meta> element includes name and content attribute.

- name specifies which type of information is in that meta element.
- The actual content of meta is specified by content attribute.

3. Applying CSS and JavaScript to HTML

To add a CSS file <link> element is used inside the HTML document. link has two attributes rel and href.

- rel indicates the stylesheet of the document.
- Href contains the path to the stylesheet file.

To add a JavaScript file <script> is used inside the HTML document. It has attributes like src and defer.

- src contains the path of the HTML file.
- Defer is basically used to give instruction to the browser to load JavaScript after the parsing of the HTML.

- **Example:**

meta.html

```
<!DOCTYPE html>
```

```
<html lang="en-US">
  <head>
    <meta charset="utf-8"> <!--To define character set-->
    <title>Meta</title><!--Will appear as title of document-->
    <meta name="author" content="Mandeep Dangar"><!--defined author
-->
    <meta name="description" content="Demo of the meta and head in
HTML"><!--Description of page-->
    <link rel="stylesheet" href="style.css"><!--Added style.css
file-->
    <script src="script.js" defer></script><!--Added script.js
file-->
  </head>
  <body>
    <h1>Meta examples</h1>
    <p>Japanese example: ご飯が熱い。</p>
  </body>
</html>
```

## style.css

```
html {
  background-color: green;
  font-size: 20px;
}

ul {
  background: red;
  padding: 10px;
  border: 1px solid black;
}

li {
  margin-left: 20px;
}
```

## script.js

```
const list = document.createElement('ul');
const info = document.createElement('p');
const html = document.querySelector('html');
```

```

info.textContent = 'Below is a dynamic list. Click anywhere on the
page to add a new list item. Click an existing list item to change
its text to something else.';

document.body.appendChild(info);
document.body.appendChild(list);

html.onclick = function() {
  const listItem = document.createElement('li');
  const listContent = prompt('What content do you want the list item
to have?');
  listItem.textContent = listContent;
  list.appendChild(listItem);

  listItem.onclick = function(e) {
    e.stopPropagation();
    const listContent = prompt('Enter new content for your list
item');
    this.textContent = listContent;
  }
}

```



