Head- Meta Title Script Link Tags

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The <head> HTML element contains machine-readable information (metadata: data that describes data.) about the document, like its title, scripts, and style sheets. Meta-tags used to define keyword and description of website and are used in SEO (Search Engine Optimization) techniques which help any particular website to rank better in Google or different search engines.

Elements that can be used inside the <head>:

1. **<title> :** Defines the websites title which gets rendered on browser's tab.
2. **<base> :** The <base> HTML element specifies the base URL to use for all relative URLs in a document. There can be only one <base> element in a document.
   How to use: <base href="https://example.com"> and this link: To anchor. The link points to https://example.com/#anchor.
3. **<link> :** to include external CSS (stylesheet)
   <link rel="stylesheet" href="fileName.css">
4. **<style> :** It contains CSS, which is applied to the contents of the document containing the <style> element.

```
1  <style>
2  p {
3    color: #26b72b;
4  }
5  </style>
```

5. **<meta> :**
   - **<meta charset="UTF-8"> :** tells browser characters are of UTF-8 (most common character encoding.) compatible with ASCII standards.
   - **<meta http-equiv= "X-UA-Compatible" content= "ie=edge"> :** for old outdated browsers (internet explorer, edge) and computer systems this meta tags allow browser to open site in highest compatible mode possible. Detailed answer on stack overflow.
   - **<meta name="viewport" content="width=device-width, initial-scale=1.0">:** make your website responsive by adjusting width to device width. Detailed answer on stack overflow.
   - **<meta name="description" content="discription of website">:** to write our own discription which gets displayed on search engines written in content part
   - **<meta name="keywords" content="web 3.0, blockchain, JavaScipt blog">:**help user to reach our website
   - **<meta name="robots" content="INDEX, FOLLOW"> :** if you want search engines & bots to rank a website and follow links inside webpage
   - **<meta name="robots" content="NOINDEX, NOFOLLOW">:** to stop website from ranking and not get into results of search engines
6. **<script src="fileName.js"></script> :** to include external JavaScipt
7. **<noscript> :** defines a section of HTML to be inserted if a script type on the page is unsupported or if scripting is currently turned off in the browser.
   ```
   <noscript>
     <!-- anchor linking to external file -->
     <a href="https://www.mozilla.org/">External Link</a>
   </noscript>
   <p>Rocks!</p>
   ```
8. **<template> :** template as a content fragment that is being stored for subsequent use in the document instantiated subsequently during runtime using JavaScript. To see implementation MDN ref.

```html
index.html > ⟨⟩ html > ⟨⟩ head
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <!-- meta tags provide metadata(data that discribes data) for SEO -->
5        <!-- tells browser characters are of UTF-8 (most common character encoding.) ASCII
         standards -->
6        <meta charset="UTF-8">
7        <!-- Edge mode tells Internet Explorer to display content in the highest mode
         available.  -->
8        <meta http-equiv="X-UA-Compatible" content="IE=edge">
9        <!-- make your website responsive by adjusting width to device width.  -->
10       <meta name="viewport" content="width=device-width, initial-scale=1.0">
11       <!-- to write our own discription which gets displayed on search engines written in
         content part -->
12       <meta name="description" content="discription of website">
13       <!-- help user to reach our website -->
14       <meta name="keywords" content="web 3.0, blockchain, JavaScipt blog">
15       <!-- if you want search engines & bots to rank a website and follow  links inside
         webpage -->
16       <meta name="robots" content="INDEX, FOLLOW">
17       <!-- to stop website from ranking and not get into results of search engines  -->
18       <meta name="robots" content="NOINDEX, NOFOLLOW">
19
20       <title>Gets rendered on browser's tab</title>
21       <!-- specifies the base URL to use for all relative URLs in a document -->
22       <base href="./images/">
23
24       <!-- to include external CSS (stylesheet)-->
25       <link rel="stylesheet" href="fileName.css">
26       <!-- apply css to  to the contents of the document containing the <style> element eg.
         all paragraps will have green text-->
27       <style>
28           p {
29               color: #26b72b;
30           }
31       </style>
32
33       <!-- to include external JavaScipt -->
34       <script src="fileName.js"></script>
35       <!-- if JS is turned off or not supported by browser  -->
36       <noscript> <p>please enable JavaScipt</p> </noscript>
37   </head>
38   <body>
39
40       <!-- becz of style tag in head Para has green text -->
41       <p>Para has green text: Lorem ipsum dolor sit amet, consectetur adipisicing elit.
         Aperiam corrupti saepe rem harum dolore autem modi eligendi totam nam.</p>
42
43       <!-- becz of base tag in head src attributes points to "./images/hustle.jpg" -->
44       <img src="hustle.jpg" alt="keep grinding" width="800">
45   </body>
```