# HTML5 ASSIGNMENT

1. **What are the new tags added in HTML5?**
   **Ans :**

| Tag | Description |
|---|---|
| <dialog> | It represents a dialog box or other interactive components. |
| <figcaption> | It defines caption for the <figure> element. |
| <figure> | It defines a self-contained content, and referenced as a single unit. |
| <footer> | It represents the footer section of the webpage. |

2. **How to embed audio and video in a webpage?**
   **Ans :** Create a new HTML file in the same directory, called index. html . Add <audio> and <video> elements to the page; make them display the default browser controls. Give both of them <source> elements so that browsers will find the audio format they support best and load it.

3. **Semantic element in HTML5?**

   - **Ans :**  <article>
   - <aside>
   - <details>
   - <figcaption>
   - <figure>
   - <footer>
   - <header>
   - <main>
   - <mark>
   - <nav>
   - <section>
   - <summary>
   - <time>

4. **Canvas and SVG tags**
   **Ans :**

| SVG | Canvas |
|---|---|
| Vector based (composed of shapes) | Raster based (composed of pixel) |

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| SVG | Canvas |
|---|---|
| SVG has better scalability. So it can be printed with high quality at any resolution. | Canvas has poor scalability. Hence it is not suitable for printing on higher resolution. |
| SVG gives better performance with smaller number of objects or larger surface.<br><br>SVG can be modified through script and CSS. | Canvas gives better performance with smaller surface or larger number of objects.<br><br>Canvas can be modified through script only. |
| Multiple graphical elements, which become the part of the page's DOM tree. | Single element similar to <img> in behavior. Canvas diagram can be saved to PNG or JPG format. |