

Q.8 What is the difference between <figure> tag and tag?

Ans- The ``<figure>`` tag and the ```` tag serve different purposes in HTML. Here's the difference between the two:

1. ```` Tag: The ```` tag is used to embed an image within an HTML document. It is a self-closing tag and does not require a closing tag. The ```` tag requires the ``src`` attribute, which specifies the source URL of the image file to be displayed. Additionally, it can also include attributes like ``alt`` (alternative text for accessibility) and ``width`/`height`` (to specify image dimensions). The ```` tag is primarily used for displaying standalone images.

Example: ``

2. `<figure>` Tag: The `<figure>` tag is used to represent a self-contained content block that is referenced from the main flow of the document. It is typically used to group and represent visual content, such as images, illustrations, diagrams, code snippets, etc. The ``<figure>`` tag is a container that can include various types of content, including images represented by the ```` tag. It is often accompanied by a ``<figcaption>`` tag to provide a caption or description for the content within the `<figure>`.

Example:

```
<figure>
  
  <figcaption>Caption for the image</figcaption>
</figure>
```

In summary, while the ```` tag is specifically used for embedding individual images, the ``<figure>`` tag provides a way to group and represent self-contained content blocks, which can include images along with other content types. The ``<figure>`` tag helps establish a semantic relationship between the content and its caption, making it useful for images, illustrations, and other visual elements that require additional context.