Topic 1 HTML

Interview Questions and Answers

Q1. Explain the different types of list elements in HTML.

Lists are used to represent data and information where each record is displayed in a separate line. The most used list types are:

Unordered List (<ul>): Used to define an unordered list, i.e., a bulleted list of items.

Ordered List (<ol>): Used to define an ordered list, i.e., numbered list of items.

Description List (<dl>): Used to define a description list, i.e., items are arranged in the same way as they are arranged in a dictionary.

Code example

```
<h4>Unordered List<h4>

<ul>

<li>Tea</li>

<li>Coffee</li>

<li>Juice</li>

</ul>

<h4>Ordered List<h4>
```

```
<ol>

<li>Tea</li>

<li>Coffee</li>

<li>Juice</li>

</ol>

<h4>Description List<h4>

<dl>

<dt>Tea</dt>

<dd>Hot and Serves 2</dd>

<dt>Coffee</dt>

<dd> Hot and Serves 2</dd>

</dl>
```

Code output

Unordered List

- Tea
- Coffee
- Juice

Ordered List

1. Tea
2. Coffee
3. Juice

Description List

Tea
      Hot and Serves 2
Coffee
      Hot and Serves 2

Q2. What is the difference between the <div> tag and the <span> tag in HTML?

Div (`<div>`) tag

It defines a section at the block level.

Div takes up the entire width of the screen.

It applies styling to other HTML tags present inside it.

Span (`<span>`) tag

It defines a section at the inline level.

Span keeps to the width of the element it contains.

It does not apply styling to other HTML tags present inside it.

Q3. What happens when you define tags without text between them?

If there is no text between the HTML tags, then no formatting will appear on the page since there is nothing to format.

Note: Remember there are some tags like `<img>` tag, that do not require a closing tag or text between them to render.

Q4. What is the difference between `<input type="text"/>` and `<textarea>`?

`<input type="text"/>` is used to take a single line input from the user.

Whereas a `<textarea>` tag is used to take multi-line input from the user.

The input tag is a self-closing tag, while the textarea tag is a non-self-closing tag.

Q5. How do you create text on a webpage that allows you to send an email when clicked?

To achieve this, the "mailto" command is defined along with the href tag which will contain the mail address of the recipient:

Example:

```
<a        href="mailto:examplemailaddress@edureka.co">Send Mail</a>
```

Q6. What is SVG?

SVG (Standard Vector Graphics) is used when there is a need to define two-dimensional vector graphics in HTML. It is mostly used for vector-type diagrams like pie charts, and 2-D graphs in an X and Y coordinate system.

Example:

```
<svg width="100" height="100">
<circle cx="50" cy="50" r="40" stroke="yellow" stroke-width="4" fill="red" />
</svg>
```

Q7. How is Cell Spacing different from Cell Padding?

The space between the two cells of the same table is known as cell spacing.

The space between the content of the cell and the cell border is known as cell padding.

Cell Padding is referred to as the gap or space between the content of the cell and the cell wall or cell border.

Q8. What are the media types and formats supported by HTML?

Some of the media formats supported by HTML are animations, audio, and video files. Following are some of the extensions supported by each media format:

Images: png, jpg, jpeg, gif, png, SVG, BMP, BMP ico, png ico

Audio: MIDI, RealAudio, WMA, AAC, WAV, Ogg, MP3, MP4

Video: MPEG, AVI, WMV, QuickTime, RealVideo, Flash, Ogg, WebM, MPEG-4, MP4.

Q9. What is canvas?

Canvas is a newly introduced element in HTML5. Canvas allows you to draw graphics with the help of JavaScript. you can design 2d and 3d elements like rectangles, circles, triangles, paths, straight lines, etc.

Q10. What are the new form elements introduced in HTML5?

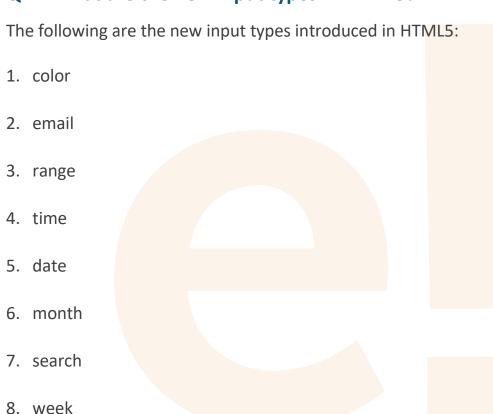In HTML5, several new form elements have been added, which are listed below:

1. `<datalist>`: Use this element if you want to provide suggestions for an input tag.

2. `<keygen>`: It helps you to process the form elements with more security by creating a public key and a private key.

3. `<output>`: It helps you to display the result of a collection.

4. `<meter>`: It helps us to display the measurement on a known scale.

5. `<progress>`: It is used to display the progress of any task like uploading and downloading files.

Q11. Is <!DOCTYPE html> tag is an HTML5 tag?

No `<!DOCTYPE htm>` is not an HTML tag. There are many versions of HTML, e.g., HTML 4.0.1 strict, HTML 4.0.1 transitional, HTML 4.0.1 Frameset, XHTML 1.0 strict, etc., so here `<!DOCTYPE html>` specifies to web browsers about the version of HTML used in the web page.

Q12. What are the new input types in HTML5?

The following are the new input types introduced in HTML5:

1. color

2. email

3. range

4. time

5. date

6. month

7. search

8. week

9. tel

10. url

11. date-time local

Q13. Explain the `<datalist>` tag.

`<datalist>` is a newly introduced form element in HTML5.

`<datalist>` provides the list of suggestions in the input box and at the same time allows your user to enter the inputs on their own. It provides Google suggestions like the auto-fill feature. As the user starts typing, he can see a list of predefined options. When the user enters more characters, the list of options will get filtered more. However, a user can also enter the data on their own. The main difference between `<datalist>` and `<select>` tags is that the `<datalist>` tag provides the list of predefined options to select and at the same time allows the user to enter data on their own, whereas the `<select>` tag allows users strictly to select an option out of given options and does not allow the entry of other data.