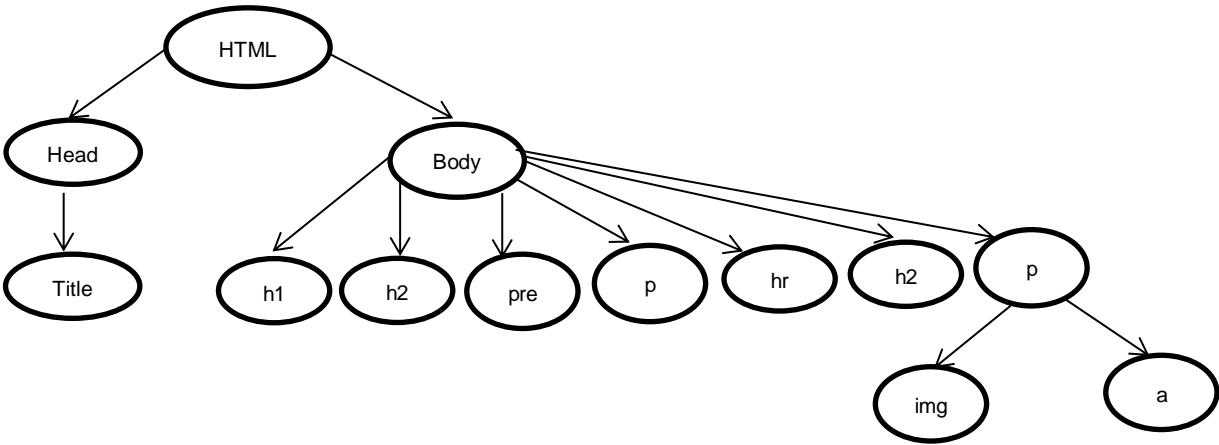


Question 2.2:

Element Tree:



Question 2.15:

The object element in HTML is used for embedding multimedia, the difference and advantages of the two approaches:

Understanding Object Tags

- An object tag is used to embed multimedia files, such as videos, audio files, or PDFs, into an HTML document.
- The object tag can handle various file types, making it a versatile option.

Attributes of Object Tags

- data: specifies the URL of the multimedia file
- type: specifies the MIME type of the multimedia file
- height and width: specify the height and width of the object
- name: specifies the name of the object

Syntax:

```
<object data="filename" type="video/mp4" width="" height=""></object>
```

Playing Multimedia Files

- In HTML5, modern browsers use their built-in video players to play videos directly.
- Some users may have specific media players installed, such as VLC or Windows Media Player.
- If a video requires a format not supported by the browser, an external player may be needed.

Two different approaches are used by IE6 and Mozilla 1.4 to handle multimedia files:

Old Browser Ways

- **IE6 (old Internet Explorer):**

- Uses a special code to find the right software.
- Uses the classid attribute to locate required software.
- Good thing: Can add special software features using ActiveX.

- Mozilla 1.4 (old Firefox):

- Uses a simple way to tell the browser what kind of file it is.
- Uses the type attribute to specify the MIME type.
- Good thing: Works better with different devices and doesn't rely on special software.

In Simple Words

IE6 uses special software to show things on the web (not recommended). Mozilla 1.4 focuses on following rules so it works on many devices without needing special software

MIME is a way to tell the computer what type of file is being sent or used like mp4 mp3