

Questions

1. What is the purpose of the viewport meta tag?

The viewport meta tag tells the browser to adjust to the device screen. This is useful for mobile browsers .

width=device-width refers to the width of the device screen itself, so if the width of the screen is 450pixels then the browser will adjust to 450pixels.

height=device-height refers to the height of the device screen itself, so if the height of the screen is 900pixels then the browser will adjust to 900pixels.

initial-scale=1.0 refers to the initial zoom level, this is the default of what people are used to. So in the browser 1.0=100% which means that the zoom level is default. 2.0=200% this means that the browser will be zoomed in to 200%

2. write two paragraphs explaining the advantages of table-less design and disadvantages of table-based design.

The advantages of **table-less** design are numerous, especially for web designers. Some of those advantages are the lower amount of code, which means less lines of code. There is less lines of code because tables require <table>, <td>, <tr>, <thead>, <tbody>, whereas tableless designs just use div tags to open and close. Table-less designs are easier to maintain, this is because of the less markup, and you do not need to keep track of rows and columns. Table-less design also means that it is easier to change a css colour or adjust padding.

The disadvantages of **table-based** design are as follows. Increased amount of code again this is because of the need for <table>, <td>, <tr>, <thead>, <tbody>, etc. This makes the page load slower. Table-based designs are also better for content. Tables are harder to update, and adjust when necessary. On some devices, there is an inability to read or access those tables.

3. Does the telephone call hyperlink work best with desktop or mobile devices? Explain.

The call hyperlink would work best on a mobile device this is because, most desktops/laptops do not have a sim card inside of the device itself. This means that mobile devices (implied that there is a sim-card and there is reception) can access and actually use the telephone call hyperlink most effectively.

4. What is a major security threat with the “mailto” hyperlink?

According to the owlysec attackers can specify parameters that could potentially steal keys, and files. Mailto hyperlinks are also vulnerable to HTML injection, which means users and potential attackers can modify the code, therefore modifying the pages. If the attacker can modify the page this means that the page can be vulnerable to different types of injections (SQL, PHP, HTML).

Reference

<https://owlysec.com/data-leaks/mailto-links-can-pose-an-unexpected-security-risk>

BTW the links work in the Module5.html.