



HTML Syntax, Element Paragraph, Headings

Duration 4h (Totally 10)

This task will cover text formatting such as:(italic, bold, del, mark, del)

Basic

1. As on the beginning of coding We need to create html page call “hello_world” and contains the following:

- Page title should be Hello world.
- Add favicon to webpage.
- Add language meta tag.
- Add viewport meta tag.
- Add keywords meta tag contain (HTML, CSS, JS, Coding Academy, Orange)





2. Create the following:

1. Create html page and change the title to “Orange Academy”.
2. Add your name
3. Add your major
4. Add horizontal line



3. Create webpage contain heading:



This is the main heading

This is a second heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

And another heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.



4.Create the following webpage contain Heading:



Text formats(h1)

Article text (using h3)

Article text (using h2)

Artical Discription (using h4)

Preformatted text (using h5)

Performatted text (using h6)



5. Add paragraph contains the following:

1. Title must be <h1>
2. When hover on “Coding Academy” must show abbreviation contain “Orange”
3. Add mark to paragraph.
4. Add quotation “Train and Empower Youth to enhance their opportunities in the digital sector in Jordan”.
5. Add comment for the code contain “I’m build webpage structure”.





Intermediate

6.Create webpage contain (italic, bold, del, mark, del) formatting:

fourth Title

Head Title

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Dolor ducimus illum aperiam sint, delectus aliquid hic iste itaque optio laboriosam labore at, impedit architecto, possimus a nulla velit provident quis facere nostrum? Incidunt aliquid dolorum rerum quo eligendi autem totam a alias rem veritatis molestias, aspernatur impedit perferendis quisquam ratione! Rem assumenda, dolores a aliquam, excepturi, optio tempore necessitatibus ratione cumque ducimus ad saepe nostrum laboriosam repellat sunt. Repellendus, praesentium.

Second Title

Lorem ipsum **Bold** dolor sit amet consectetur adipisicing elit. Dolore, ipsum cum magni voluptatibus quidem reiciendis diata iste aperiam necessitatibus incidunt, assumenda veniam voluptates nuncquam perferendis unde vel minus ab! Soluta est voluptates temporibus nobis esse, dolorum asperiores vitae, explicabo nulla ullam sapiente commodi doloremque perferendis accusamus dolorem odio alias ab amet vero officiis illo veritatis excepturi nisi? Temporibus nulla veritatis, quam qui unde a fuga pariatur voluptates molestiae delectus facilis, dolore eligendi sit! Qui fugit eum autem libero illo sit quia doloribus, maxime neque soluta atque id expedita cum quidem!

Third Title

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Fourth Title

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7.Create webpage contain the following

127.0.0.1:5500/HTML/paragraph_task3.html

This is example of the b tag **Test test**

This is example of the i tag *Test test*

This is example of the strong tag **Test test**

This is example of the small tag Test test

This is example of the del tag ~~Test test~~

This is example of the u tag Test test

This is example of the mark tag **Test test**

This is example of the sub tag _{Test test}

This is example of the sup tag ^{Test test}



8. Webpage contain sup



Example of sub tag

Following is the famous Pythagorean Theorem:

$$a^2 + b^2 = c^2$$

Where a, b, and c represents the sides of right angle triangle

9. Webpage contain sub



LINEAR EQUATIONS

An equation that has maximum degree one is known as Linear Equations. The graph of it is a straight line.

For example,

- $y = 8x - 2$
- $ax_1 + bx_2 - cx_3 = 9$

are some of the examples of a linear equation in two and three variables.

Slope of intersection of two linear equations Linear equations

$$y_1 = mx_1 + a \text{ and}$$

$$y_2 = mx_2 + b$$

for the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is:

$$m = (y_2 - y_1) / (x_2 - x_1)$$



Advance

10. Create the following webpage



What is the introduction of math?

Mathematics is the **science and study of quality, structure, space, and change**. Mathematicians seek out patterns, formulate new conjectures, and establish truth by rigorous deduction from appropriately chosen axioms and definitions.

There is debate over whether *mathematical objects* such as numbers and points exist naturally or are human creations. The mathematician **Benjamin Peirce** called mathematics "the science that draws necessary conclusions." **Albert Einstein**, on the other hand, stated that "as far as the laws of mathematics refer to reality, they are not certain; and as far as they are certain, they do not refer to reality."

Today, mathematics is used throughout the world as an essential tool in many fields, including natural science, engineering, medicine, and the social sciences. Applied mathematics, the branch of mathematics concerned with application of **mathematical knowledge** to other fields, inspires and makes use of new mathematical discoveries and sometimes leads to the development of entirely new disciplines. Mathematicians also engage in pure mathematics, or mathematics for its own sake, without having any application in mind, although practical applications for what began as pure mathematics are often discovered later.

Mathmatic Equation

$$x^2 + y^2 - d + z^{2*a} - 2x + 3y - 4z^{(a^2+2)*4}$$

Introduction to Chemistry.

Chemistry is the study of matter and the ways in which different forms of matter combine with each other. You study chemistry because it helps you to understand the world around you. Everything you touch or taste or smell is a **chemical**, and the interactions of these chemicals with each other define our universe. **Chemistry forms the fundamental basis for biology and medicine.** From the structure of proteins and nucleic acids, to the design, synthesis and manufacture of drugs, chemistry allows you

The principles of chemicals are quite varied and are essentially important which includes brain functioning, computer operations, weather patterns, chemical industries, manufacturing fertilizers, acids, alkalis, salts, drugs, soaps, etc. Chemistry also acts as a major determinant in meeting the human needs for food, *healthcare products*, and also other **materials** are aimed at improving the life's quality.

Chemistry Equation

