



Advanced CSS: Example 1

2

HELLO!

I am Subhraneel Chowdhury

I am here because I want to give my skills for a good cause.

And hope you all, will be able to gain something from these sessions

3

Objective

In here, we will be making a HTML page with advanced CSS feature, alongside learning the functionality of each element which has been used in the webpage.

4

The Complete Web Page

Let's look at how the final webpage would look like

Education Hub

Home

Courses

About Us

Contact



Featured Course 1

Description of the course goes here.



Featured Course 2

Description of the course goes here.



Featured Course 3

Description of the course goes here.



Featured Course 4

Description of the course goes here.

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Desktop View

Education Hub

Home

Courses

About Us

Contact



Featured Course 1

Description of the course goes here.



Featured Course 2

Description of the course goes here.



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Mobile View

6

Structure (HTML)

<header> contains <h1>

<nav> contains <a>

<main>

 <section>

 <h2></h2>

 <p></p>

 </section>

</main>

7

The Web Page (without CSS)

Education Hub

[Home](#) [Courses](#) [About Us](#) [Contact](#)



9

Trivia

In this example, we will be using Internal CSS, out of the three CSS insertion methods (Inline, Internal, External)

All the CSS elements will be embedded inside the style tag which would be under the head tag.

10

Trivia

For this example, we will not be using CSS Selectors (like id or class) to represent a specific tag.

We will be using CSS directly on the HTML tag, so if the same tag name used multiple times, the CSS will be applied to all of them.

11

Task 01: Body

For the body tag,
We will be including the
following CSS Elements:

1. font-family: 'Arial', sans-serif;
2. margin: 0;
3. padding: 0;
4. box-sizing: border-box;

12

Task 02: Header

For the header tag,
We will be including the
following CSS Elements:

1. background-color: #3498db;
2. color: #fff;
3. text-align: center;
4. padding: 1rem;

13

Task 03: nav

For the nav tag,
We will be including the
following CSS Elements:

1. display: flex;
2. justify-content:
space-around;
3. background-color: #2c3e50;
4. padding: 0.5rem;

14

Task 03 (part 2): nav a

For the nav a tag,
We will be including the
following CSS Elements:

1. color: #fff;
2. text-decoration: none;
3. padding: 0.5rem 1rem;

15

Task 04: main

For the main tag,

We will be including the following CSS Elements:

1. display: grid;
2. grid-template-columns:
repeat(auto-fit, minmax(300px, 1fr));
3. gap: 1rem;
4. padding: 1rem;

16

Task 05: section

For the section tag,
We will be including the following CSS
Elements:

1. background-color: #ecf0f1;
2. padding: 1rem;
3. border-radius: 8px;
4. box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

17

Task 06: footer

For the footer tag,
We will be including the following CSS
Elements:

1. background-color: #34495e;
2. color: #fff;
3. text-align: center;
4. padding: 1rem;
5. position: fixed;
6. bottom: 0;
7. width: 100%;

18

Responsive (Media Query)

In order to make the webpage look responsive with respect to different screen sizes, we will be adding extra CSS properties:

```
@media screen and (max-width: 768px) {  
    nav {  
        flex-direction: column;  
        align-items: center;  
    }  
    nav a {  
        margin-bottom: 0.5rem;  
    }  
}
```