

# Challenges for web dev section:

## Level \*

- **Challenge 1 : Simple GDSC description web page with HTML and CSS**

Build a simple web page that contains the description of GDSC

Use HTML & CSS

Get creative with the design and use the google colors ( blue,red, green and yellow)

- **Challenge 2 : Create a skewed header with CSS**

A skewed header is an effect as if you grabbed each corner of the element and pulled them along a certain angle.

Here is an example :



- **Challenge 3 : Show and hide password in an input**

Using html and JS , create a page with an input field to type password

Create a button or a checkbox to toggle password visibility

- **Challenge 4 : Copy text to the clipboard with js**

Create a simple html page with an input field and a button

Using Js , program the button to copy the content of the input field to the clipboard

In other terms, instead of selecting the content and copying it with ctrl+c , we click on the button to do it.

## Level \*\*

- **Challenge 5 : Password generator with javascript**

Create a password generator using js where the web page will have :

An output field to show the password

A button "generate" to generate the password

you can add the Copy button if you did the challenge 4 ;)

The password length is usually 12 characters

The password includes numbers, different symbols and alphabets.

- **Challenge 6 : Email validation check with vanilla javascript**

The purpose here is to make sure if the input is a valid email format: aaa@bbb.ccc

The page should contain an input field and a button to verify the format

For the response you can add a div and change the html content according to the email ( valid / non valid).

- **Challenge 7 : Change background image every second random background with js**

Create a simple web page with a background image

Now get some images on your pc or use urls to use them as backgrounds

Using javascript , write a script where you alternate between those images every one second.

## Level \*\*\*

- **Challenge 8 : Implement dark mode with vanilla js.**

Create a HTML page.

Add dark-mode and light-mode class properties in CSS.

Create two buttons to switch between dark and light Mode.

Program the buttons to switch to the appropriate mode using vanilla JS

- **Challenge 9 : The GDSC countdown timer**

Create a HTML page or you can use the page created in **challenge 1**

Add a countdown timer to a specific date example: "Feb 5, 2022 15:37:25"

You can choose a gdsc event date

The page should display a dynamic countdown in other terms, in the script update the countdown every one second.