

HTML, CSS & JavaScript

Welcome! to the first lab of CS251 :)

Some resources if you are coming across the terms **HTML, CSS & JavaScript** for the first time.

HTML

- [HTML Tutorial \(w3schools.com\)](https://www.w3schools.com/html/) - for HTML
- [HTML: HyperText Markup Language | MDN \(mozilla.org\)](https://developer.mozilla.org/en-US/docs/Web/HTML) - Another good resource for HTML

CSS

- [CSS Tutorial \(w3schools.com\)](https://www.w3schools.com/css/) - again W3 for CSS
- [CSS: Cascading Style Sheets | MDN \(mozilla.org\)](https://developer.mozilla.org/en-US/docs/Web/CSS) :-)

JS

- [JavaScript basics - Learn web development | MDN \(mozilla.org\)](https://developer.mozilla.org/en-US/docs/Web/JavaScript) - for learning some basic js

Now coming to today's In-Lab ;)

Expected time: 90-120 min.

Total Points: 50 (20+10+20)

In Lab 1 (50 points)

Task 1(HTML)

(20 points)

A basic HTML page with some buttons(3) and a text input(1) box similar to the below image.

For getting points for this task alone, the positioning of buttons/input boxes is not accounted for while grading.

Welcome to CS251 lab1

Some javascript stuff: (In-lab work)

Changing paragraph's color with javascript

Enter your name:

Task 2(CSS)

(10 points)

Stylise and position the buttons properly, which you have created in the previous tasks.
Be creative! Try something that does not look clumsy.
Here is an example, but you are free to use your creativity.

Welcome to CS251 lab1

Some javascript stuff: (In-lab work)

Changing paragraph's color with javascript

blue red

Enter your name:

khat

Submit

Bonus (10 points)

For this task, you can secure bonus points up to 10 (total capped at 50).

Use **Bootstrap** to style the buttons and the whole page. Here is a link to get started with the same [Get started with Bootstrap](#)

The page should look appealing. Though this boils down to beauty, which is different for each person and very subjective, here we are looking for something which a crowd can appreciate.

Task 3(JavaScript)

(2 x 10 = 20 points)

1. Implement functionality in JavaScript such that pressing the red/blue buttons changes the colour of text as shown below.

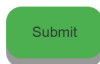
Welcome to CS251 lab1

Some javascript stuff: (In-lab work)

Changing paragraph's color with javascript



Enter your name:



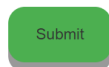
Welcome to CS251 lab1

Some javascript stuff: (In-lab work)

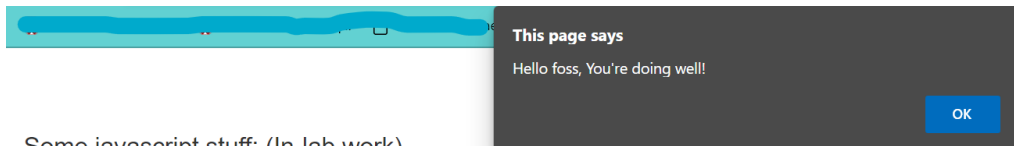
Changing paragraph's color with javascript



Enter your name:



2. Entering a name and pressing submit should pop an alert box as shown below.

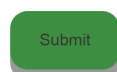


Some javascript stuff: (In-lab work)

Changing paragraph's color with javascript



Enter your name:



Submission Instructions

Submit on moodle before 5pm and have the viva with the TA post submission.

File structure:

```
<roll_no>_inlab1
|__ index.html
|__ script.js
|__ style.css
|__ references.txt
```

You need to create a tar file from the <roll_no>_inlab1 directory. Use the command
tar -czvf <roll_no>_inlab1.tar.gz <roll_no>_inlab1/