

## Lab # 6

# Bootstrap and SASS

### OBJECTIVE

To get familiar with Bootstrap and SASS to control the styling of web page.

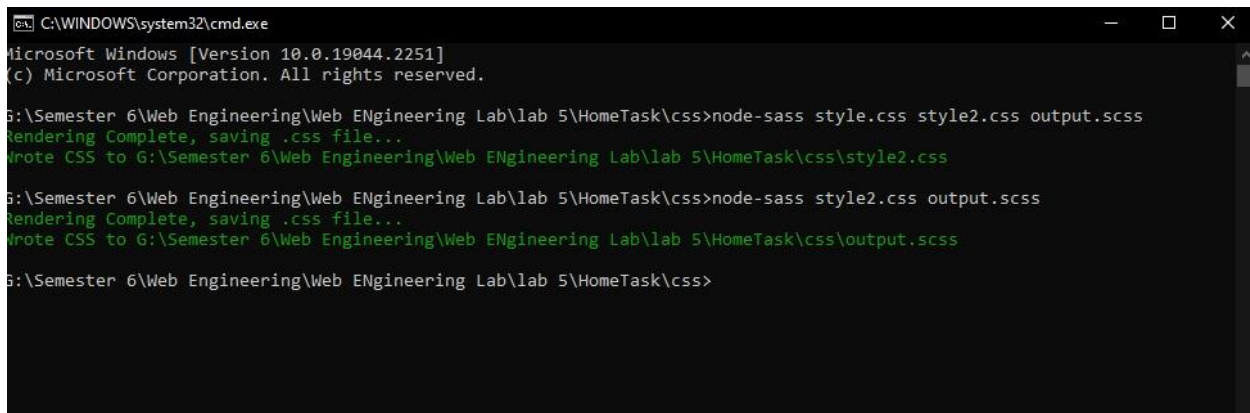
### Lab Task

- 1 Bootstrap: Redesign the Login Form created in Lab#1 using Bootstrap
  - a. Add fixed-width container
  - b. Add rows for title, form, and buttons
  - c. Divide the row into three equal width columns
  - d. Center-align the form
  - e. Style the buttons and add colors
- 2 SASS: Redesign the Student Profile page with CSS emitted using SASS
  - a. Refactor the colors using variables
  - b. Nest the CSS rules to avoid repetition
  - c. Separate the colors, variables and reset rules into different files and import them into main SASS file.
  - d. Emit the CSS using SASS preprocessor and apply it

### SOURCE CODE:

<https://github.com/mussadiq345/WebEng-lab6.git>

### Snapshots:

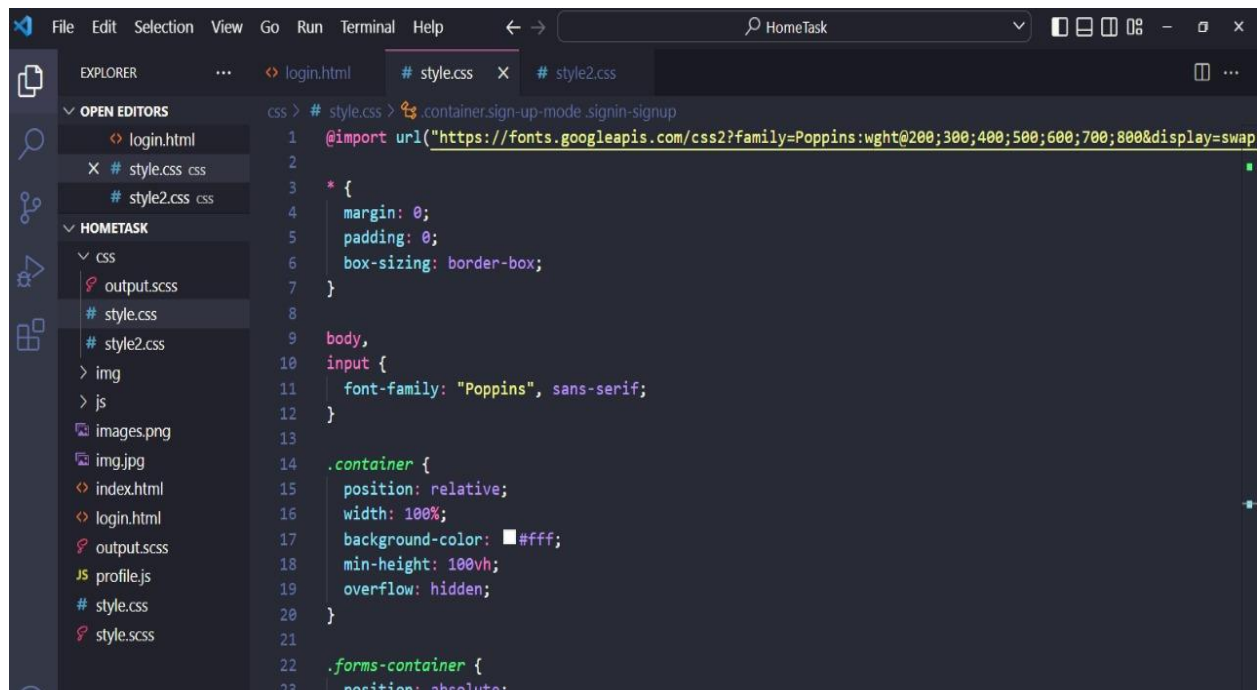
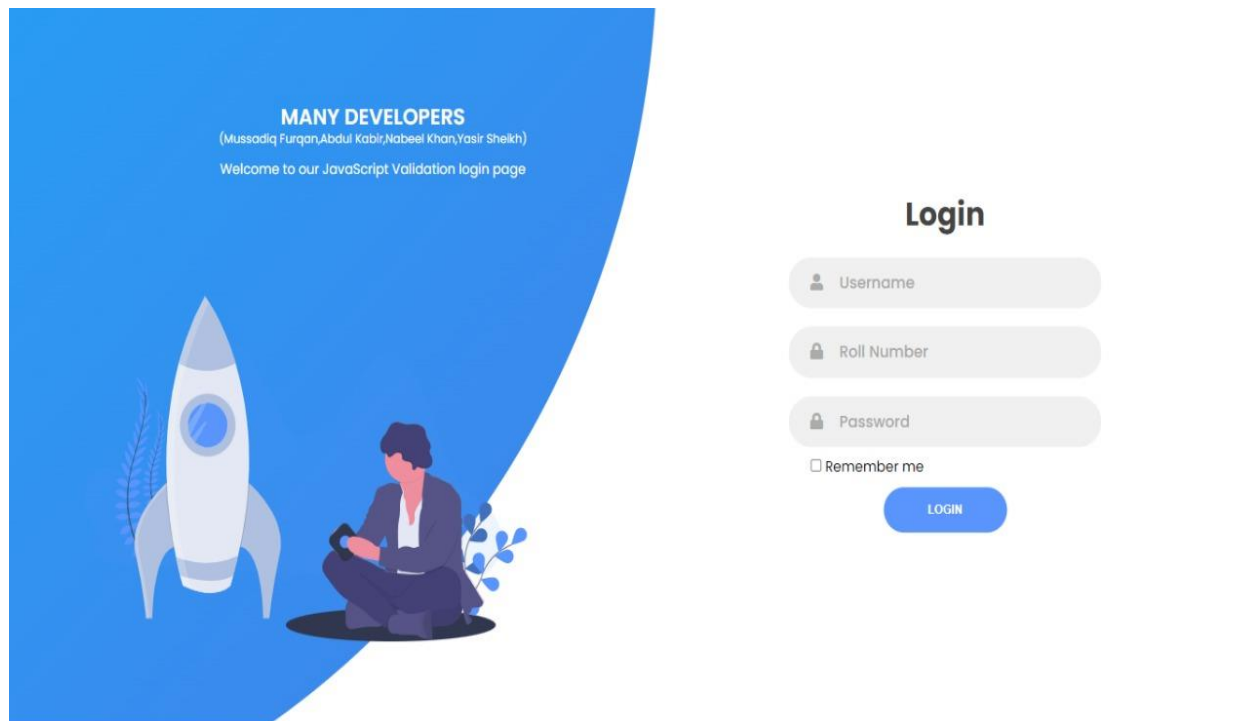


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask\css>node-sass style.css style2.css output.scss
Rendering Complete, saving .css file...
Wrote CSS to G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask\css\style2.css

G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask\css>node-sass style2.css output.scss
Rendering Complete, saving .css file...
Wrote CSS to G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask\css\output.scss

G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask\css>
```



## Home Task:

- 1 Bootstrap: Redesign the Student Registration Form using Bootstrap
  - a. Add fluid full-width container
  - b. Add rows for title, form, and buttons
  - c. Divide the row into three equal width columns
  - d. Center-align the form
  - e. Style the buttons and add colors
- 2 SASS: Redesign the Student Registration Form page with CSS emitted using SASS
  - a. Refactor the colors using variables
  - b. Nest the CSS rules to avoid repetition
  - c. Separate the colors, variables and reset rules into different files and import them into main SASS file.
  - d. Create a mixin and use it
  - e. Extend the rules of a selector using extends keyword by utilizing existing class
  - f. Emit the CSS using SASS preprocessor and apply it.

## SOURCE CODE:

<https://github.com/mussadiq345/WebEng-lab6.git>

## Snapshots:

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask>node-sass style.css output.scss
Rendering Complete, saving .css file...
Wrote CSS to G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask\output.scss

G:\Semester 6\Web Engineering\Web Engineering Lab\lab 5\HomeTask>
```

