SUNSTONE

Calculator and Text Editor

Task - 2

Calculator and Text Editor

LMS Username	Name	Batch
2113a53234	GURUSANKAR B	A53
2113a53214	ANAND S	A53
2113a53228	DINESH N	A53
2113a53245	LOKESH RAJA M	A53
2113a53230	DONAVALLI SHANMUKA SAI	A53

Task - 2

Create various Front End Programs

- Draw and design a uniform front end code for calculator
- Draw and design a interactive front end code for text-editor

Evaluation Metric:

- 100% Completion of the above tasks

Learning Outcome

- Get to know about concepts of project bucketing
- Knowing about various frontend development framework like angular, vue,react
- Know about various react topics like components, props, state, life cycle etc.

Code for Calculator

File Edit Selection Find View Goto Tools Project Preferences Help

index.html | style.css | script.js

```css
@charset "utf-8";


* {
    padding: 0;
    margin: 0;
}

html, body {
    height: 100%;
    background-image: radial-gradient(at center, #203770, #382569);
}

#container {
    min-height: calc(100% - 10em);
}

#title {
    color: white;
    background-color: #2b4499;
    font: 2.5em "Helvetica", "Candara", "Arial";
    width: fit-content;
    top: 20px;
    left: calc(50% - 230px);
    padding: 5px 25px 5px 25px;
    border-radius: 20px;
    text-shadow: 5px 5px 5px #000000;
    box-shadow: 0px 5px 10px #220a36;
    position: absolute;
    transition: 3s ease-in-out 0.1s;
    user-select: None;
}

#calculator {
    user-select: None;
    top: 98px;
    left: calc(50% - 300px);
    width: 600px;
    height: 600px;
    background-image: radial-gradient(at center, #281f58 70%, #193444);
    border-radius: 30px;
    box-shadow: 10px 10px 25px black;
```

Line 331, Column 1

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index.html | style.css | script.js

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Simple Web Calculator</title>
    <link type="text/css" rel="stylesheet" href="./style.css">
    <link type="text/css" rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet"
    href="https://fonts.googleapis.com/icon?family=Material+Icons">

</head>

<body>
    <div id="container">
        <section id="main">
            <header><h1 id="title">Simple Web Calculator</h1></header>
            <img src="imgs/limit-screen.png" id="skull" draggable="false">
            <div id=calculator>
                <div id="calculator-interface">
                    <div id="calculator-screen">
                        <div id="screen-top">
                            <p id="nums-top"></p>
                        </div>
                        <div id="screen-bottom">
                            <p id="nums-bottom">0</p>
                        </div>
                    </div>
                    <div id="functional-container">
                        <div id="negate" class="button">+/-</div>
                        <div id="pi" class="button">π</div>
                        <div id="euler" class="button">e</div>
                        <div id="factorial" class="button">n!</div>
                        <div id="ce" class="button">CE</div>
                        <div id="del1" class="button">
                            <img id="del2" src="delete.png" draggable="false">
                        </div>
                    </div>
                    <div id="nums-container">
                        <div class="numbers-line">
                            <div id="num7" class="button">7</div>
```

Line 83, Column 9

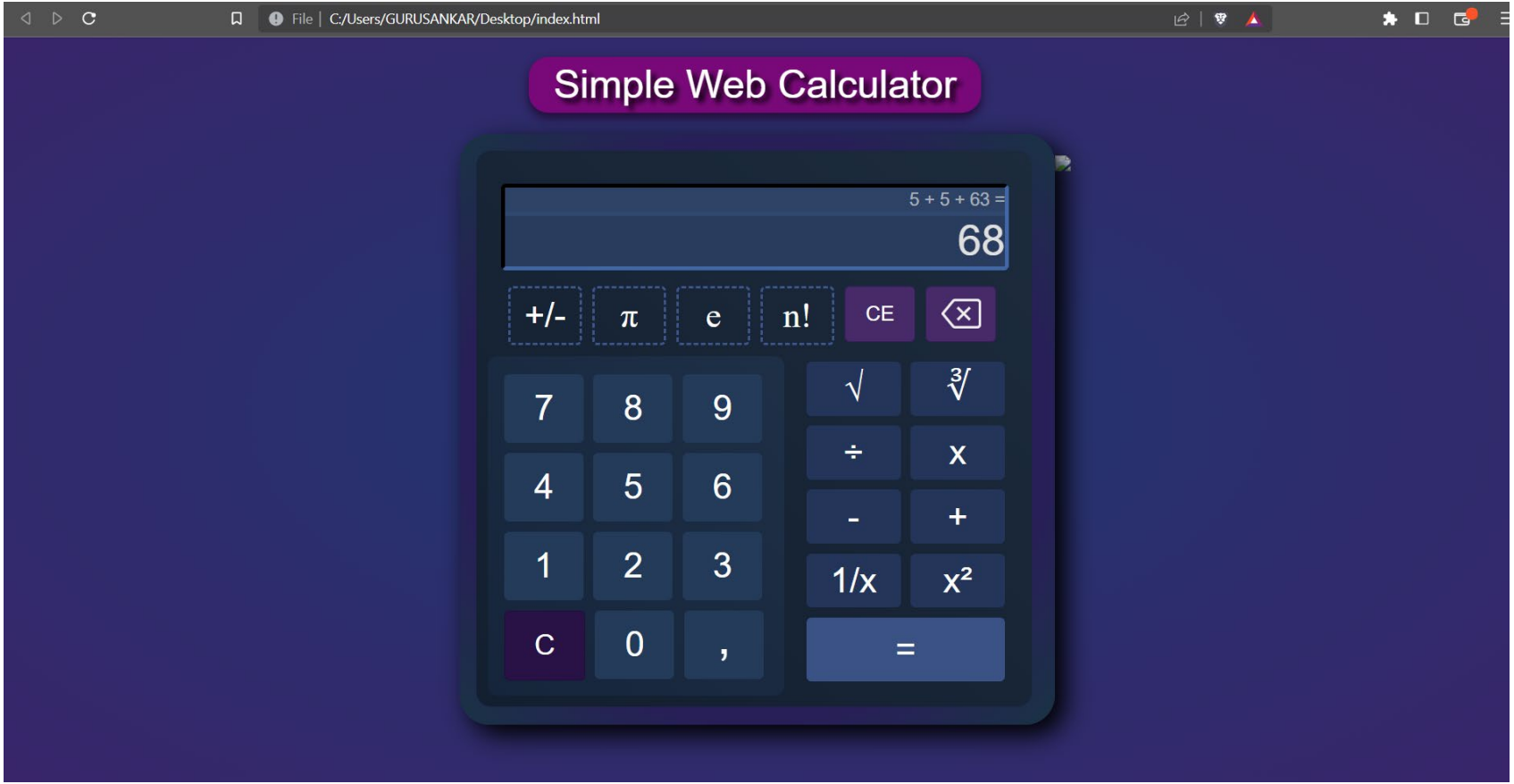
File Edit Selection Find View Goto Tools Project Preferences Help

index.html | style.css | script.js

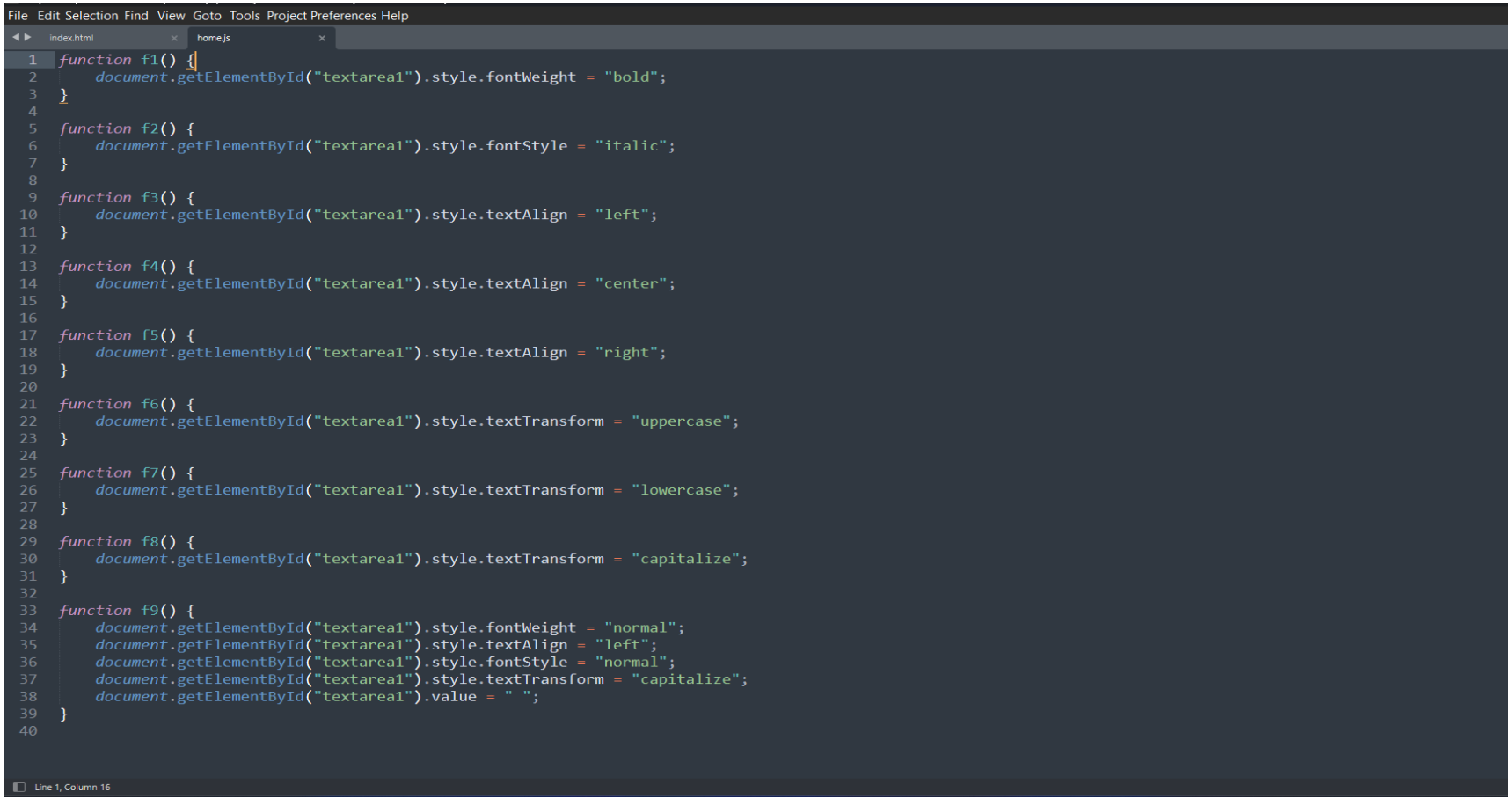
```
1
2  const topScreen = document.getElementById("nums-top");
3  const bottomScreen = document.getElementById("nums-bottom");
4  const calculator = document.getElementById("calculator");
5  const calculatorInterface = document.getElementById("calculator-interface");
6  const calculatorScreen = document.getElementById("calculator-screen");
7  const skull = document.getElementById("skull")
8  const footer = document.getElementById("footer");
9  const colors = ["#294192", "#2f4d0d", "#790979", "#811414"];
10 const calcValues = {
11     num1: "1", num2: "2", num3: "3", num4: "4", num5: "5", num6: "6",
12     num7: "7", num8: "8", num9: "9", num0: "0", comma: ",", sum: "+",
13     substract: "-", divide: "÷", multiply: "x", factorial: "!", overX: "1/",
14     equalTo: "=", squareRoot: "√", cubeRoot: "∛", squarePower: "²",
15     pi: "3,1415926535897932384", euler: "2,7182818284590452353"};
16 const keyboardSymbols = {
17     "1": "num1", "2": "num2", "3": "num3", "4": "num4", "5": "num5",
18     "6": "num6", "7": "num7", "8": "num8", "9": "num9", "0": "num0",
19     "Backspace": "del1", "Delete": "clear", ",": "comma",
20     "+": "sum", "-": "substract", "/": "divide", "*": "multiply",
21     "Enter": "equalTo", "=": "equalTo", "e": "euler"
22 }
23 var givenResult = false;
24 var resultValue = "0";
25 var colorNum = 0;
26 var record = [];
27
28
29 function setUp() {
30
31     let terms = document.getElementById("terms");
32     let privacy = document.getElementById("privacy");
33
34
35     for (element of [terms, privacy]) {
36         element.addEventListener("click", helpSection, false);
37     }
38
39
40     skullPosition()
41
42
```

Line 2, Column 18

OUTPUT:


File | C:/Users/GURUSANKAR/Desktop/index.html
Simple Web Calculator
5 + 5 + 63 =
68
+/-
π
e
n!
CE
7
8
9
√
∛
÷
x
4
5
6
-
+
1
2
3
1/x
x²
C
0
,
=

TEXT EDITOR CODE



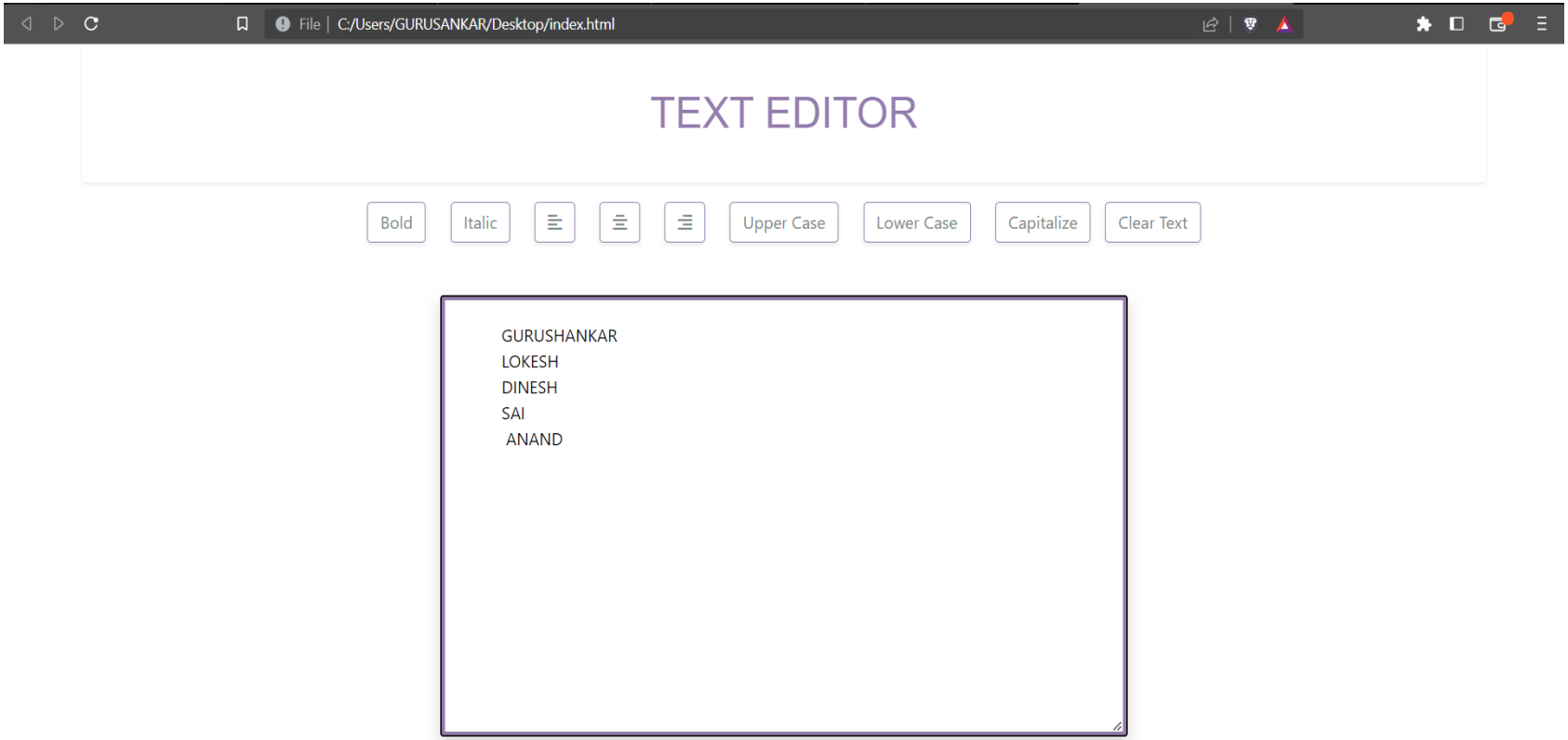
File Edit Selection Find View Goto Tools Project Preferences Help

index.html × home.js ×

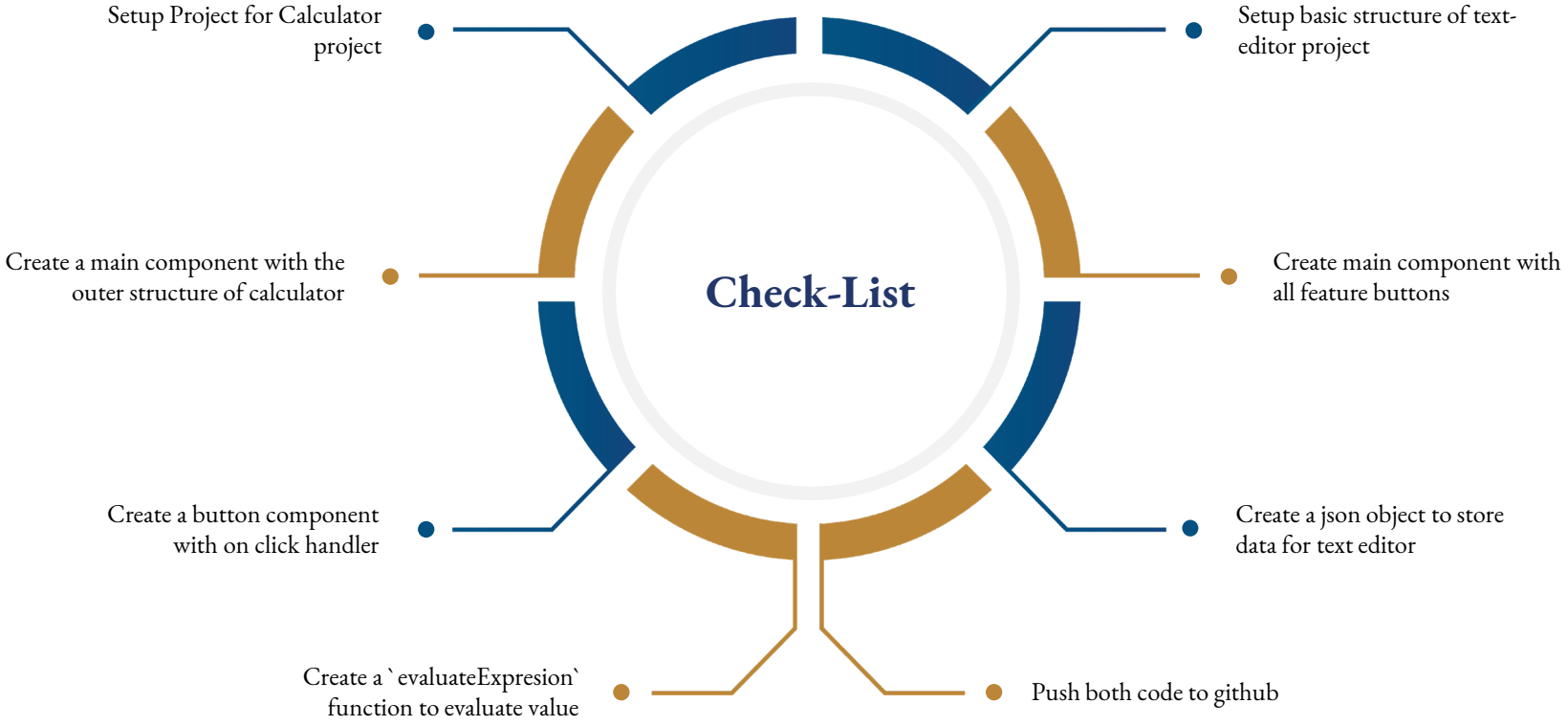
```
<!DOCTYPE html>
<html lang="en" dir="ltr">

<head>
    <meta charset="utf-8">
    <title>Text Editor</title>
    <link rel="stylesheet"
        href=
"https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
        integrity=
"sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
        crossorigin="anonymous">
    <link rel="stylesheet"
        href=
"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
        integrity=
"sha512-PgQMlq+nqFLV4ylk1gwUOgm6CtIIXkKwaIHp/PAIWHzig/lKZSEGKEysh0TCVbHJXCLN7WetD8TFecIky75ZfQ=="
        crossorigin="anonymous" />
    <link rel="stylesheet"
        href=
"https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
        integrity=
"sha384-AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
        crossorigin="anonymous" />

    <style>
        h1 {
            padding-top: 40px;
            padding-bottom: 40px;
            text-align: center;
            color: #947dad;
            font-family: 'Montserrat', sans-serif;
        }

        section {
            padding: 5%;
            padding-top: 0;
            height: 100vh;
        }

        .side {
            margin-left: 0;
```

Line 53, Column 34

OUTPUT:


File | C:/Users/GURUSANKAR/Desktop/index.html
TEXT EDITOR
Bold
Italic
Upper Case
Lower Case
Capitalize
Clear Text
GURUSHANKAR
LOKESH
DINESH
SAI
ANAND

Assessment Parameter



Submission Github

https://github.com/gurusankar11/Group_6_FSD_Batch_A53

Thank you!