WEEK-5 TYPE THE CODE

```html
<!-- write you code here -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.
css" rel="stylesheet"
integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5Y
BujZqJLB" crossorigin="anonmyous">
    <link rel="stylesheet" href="./style.css">
</head>
<body>
    <div class="maindiv">
        <p id="textPara">This is a sample paragraph to be highlighted.</p>
        <label for="highlightBtn"></label>
        <button id="highlightBtn" type="button" class="btn
btn-primary">Highlight</buton>

        </div>

    <script src="./script.js"></script>

</body>
</html>
```

```javascript
// write you Scripts here

document.addEventListener("DOMContentLoaded",(event)=>{
    document.getElementById("highlightBtn").addEventListener("click",()=>{
        const btnclass=document.getElementById("textPara");
        btnclass.classList.toggle("highlight");


    })
})



/* write you stylings here */

.maindiv{
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
}

.highlight{
    background-color: yellow;
}
```

WEEK 5 - PRACTICE AT HOME -1

```html
<!-- write you code here -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet">
    <link href="./style.css" rel="stylesheet">
</head>
<body>

    <div>
    <div id="btn1" class="btn btn-primary">Image 1</div>
    <div id="btn2" class="btn btn-secondary">Image 2</div>
    <div id="btn3" class="btn btn-danger">Image 3</div>
    </div>

    <div class="image-container">
    <img id="img1" style="position: absolute; z-index: 1;width: 200px;height:300px" src="./img1.jpg">
    <img id="img2" style="position: absolute;z-index: 2;width: 200px;height:300px" src="./img2.jpg">
    <img id="img3" style="position: absolute;z-index: 3;width: 200px;height:300px" src="./img3.jpg">
    </div>

    <script src="./script.js"></script>

</body>
</html>
```

```css
/* write you stylings here */

.image-container{
    /* display: flex;
   align-items: center;
   justify-content: center;  */
   position: relative;
   margin-top: 2%;


}
```

```javascript
// write you Scripts here

document.addEventListener("DOMContentLoaded",(event)=>{

    const btn1=document.getElementById("btn1");
    const btn2=document.getElementById("btn2");
    const btn3=document.getElementById("btn3");
    const img1=document.getElementById("img1");
    const img2=document.getElementById("img2");
    const img3=document.getElementById("img3");

    btn1.addEventListener("click",()=>{

        img1.style.zIndex=10;
        img2.style.zIndex=1;
        img3.style.zIndex=1;

    })

    btn2.addEventListener("click",()=>{

        img1.style.zIndex=1;
        img2.style.zIndex=10;
        img3.style.zIndex=1;

    })

    btn3.addEventListener("click",()=>{

        img1.style.zIndex=1;
        img2.style.zIndex=1;
        img3.style.zIndex=10;

    })

})
```

WEEK 5 -PRACTICE AT HOME - 2

```html
<!-- write you code here -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.css">
    <link rel="stylesheet" href="./style.css">
</head>
<body>
    <h1>Live TextArea Editor</h1>

    <div class="headerGrp">
    <div class="grp">
    <label for="fontSizeSelect">Font Size</label>
    <select id="fontSizeSelect" class="form-select">
        <option value="12px">12px</option>
        <option value="16px">16px</option>
        <option value="20px">20px</option>
    </select>
    </div>


    <div class="grp">
    <label for="fontColorSelect">Font Color</label>
    <select id="fontColorSelect" class="form-select">
        <option value="black">Black</option>
        <option value="blue">Blue</option>
        <option value="red">Red</option>
    </select>
    </div>

    <div class="btn-group">

      <button id="boldBtn" class="btn btn-outline-dark" data-bs-toggle="button">
      Bold
      </button>
      <button id="italicBtn" class="btn btn-outline-dark" data-bs-toggle="button">
      Italic
      </button>
```

```html
        <button class="btn btn-outline-secondary" id="resetBtn">Reset</button>



    </div>
    </div>


    <textarea id="editor" placeholder="Type something here..."></textarea>

    <script src="./script.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

```css
/* write you stylings here */
#fontColorSelect{
    width:500px;
}

#fontSizeSelect{
    width:300px;
}

.headerGrp{
    display: flex;

}

.grp{
    display: flex;
    flex-direction: column;
    margin-right:5%;
}

#editor{
    font-size: 12px;
    color: black;
    font-weight: normal;
    font-style: normal;
    width:50%;
    height:200px;
}
```

```
// write you Scripts here

document.addEventListener("DOMContentLoaded",(event)=>{
    const fontSize=document.getElementById("fontSizeSelect");
    const color=document.getElementById("fontColorSelect");
    const fontWeight=document.getElementById("boldBtn");
    const fontStyle=document.getElementById("italicBtn");
    const resetBtn=document.getElementById("resetBtn");
    const target=document.getElementById("editor");

    fontSize.addEventListener("change",()=>{
        target.style.fontSize=fontSize.value.trim();
    })

    color.addEventListener("change",()=>{
        target.style.color=color.value.trim();
    })



    fontWeight.addEventListener("click",()=>{

        if(fontWeight.classList.contains("active")){
                target.classList.toggle("fw-bold");
        }else{
            target.classList.toggle("fw-bold");
        }
    })

    fontStyle.addEventListener("click",()=>{
        if(fontStyle.classList.contains("active")){
                target.classList.toggle("fst-italic");
        }else{
            target.classList.toggle("fst-italic");
        }
    })
```

```javascript
resetBtn.addEventListener("click",()=>{

    target.style.fontSize="";
    target.style.color="";
  fontSize.value="12px";
  color.value="black";
  if(fontStyle.classList.contains("active")){
    //fontWeight.classList.toggle("italicbtn");
    target.classList.toggle("fst-italic");
    fontStyle.classList.remove("active");
  }

  if(fontWeight.classList.contains("active")){
    //fontWeight.classList.toggle("italicbtn");
    target.classList.toggle("fw-bold");
    fontWeight.classList.remove("active");
  }


  })



})
```

WEEK 5 - FIX THE CODE

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Form Validation</title>
  <meta name="viewport" content="width=device-width, initial-scale=1" />

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" />
</head>
<body class="p-4">

  <div class="container">
    <h3 class="mb-4">User Information Form</h3>

    <form id="userForm" novalidate>
      <div class="mb-3">
        <label for="name" class="form-label">Name</label>
        <input type="text" id="name" class="form-control" required />
        <div id="nameError" class="invalid-feedback">Please enter your name.</div>
      </div>

      <div class="mb-3">
        <label for="email" class="form-label">Email</label>
        <input type="email" id="email" class="form-control" id="email" required />
        <div id="emailError" class="invalid-feedback">Please enter a valid email address.</div>
      </div>

      <div class="mb-3">
        <label for="age" class="form-label">Age</label>
        <input id="age" type="number" class="form-control" id="age" min="18" max="150" required
/>
        <div id="ageError" class="invalid-feedback">Age must be between 18 and 150.</div>
      </div>

      <button id="submitBtn" type="submit" class="btn btn-primary">Submit</button>
    </form>

    <div id="successMessage" class="mt-3 alert alert-success d-none">
      <p>Success! Here is the data:</p>
      <p id="successData"></p>
    </div>
```

```html
        </div>

        <script src="script.js"></script>

</body>
</html>
```

// write you Scripts here

```javascript
document.getElementById("userForm").addEventListener("submit",(event)=>{
    event.preventDefault();
    const nameField=document.getElementById("name");
    const emailField=document.getElementById("email");
    const ageField=document.getElementById("age");
    const successMessage=document.getElementById("successMessage");
    const successData=document.getElementById("successData");
    const nameError=document.getElementById("nameError");
    document.getElementById("nameError").classList.add("d-none");
     document.getElementById("emailError").classList.add("d-none");
    document.getElementById("ageError").classList.add("d-none");

    let valid=true;

    if(nameField.value.trim()===""){
        nameField.classList.add("is-invalid");
        nameError.classList.remove("d-none");
        valid=false;
    } else{
        nameField.classList.remove("is-invalid");
        document.getElementById("nameError").classList.add("d-none");

    }


    const emailPattern=/^[^\s@]+@[^\s@]+\.[^\s@]+$/;

    if(!emailPattern.test(emailField.value) || !emailField.value.endsWith(".com")){

        emailField.classList.add("is-invalid");
        document.getElementById("emailError").classList.remove("d-none");
        valid=false;
    } else{
        emailField.classList.remove("is-invalid");
        document.getElementById("emailError").classList.add("d-none");  }
```

```javascript
const age=parseInt(ageField.value);

if(isNaN(age) || age<18 || age>150){
    ageField.classList.add("is-invalid");
    document.getElementById("ageError").classList.remove("d-none");
    valid=false;
} else{
    ageField.classList.remove("is-invalid");
    document.getElementById("ageError").classList.add("d-none");

}


if(valid){
    successData.innerHTML=`Name : ${nameField.value}<br>
            Email : ${emailField.value}<br>
           Age : ${ageField.value}`;


    successMessage.classList.remove("d-none");
    document.getElementById("userForm").reset();

}else{
    successMessage.classList.add("d-none");
}


})
```

WEEK-5 CHALLENGE YOURSELF

```html
<!-- write you code here -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css">
    <link rel="stylesheet" href="./style.css">
</head>
<body>
    <h1>Suresh's Kids's Sketch Pad</h1>
    <canvas id="sketchPad" width="500" height="300" style="border:1px solid black"></canvas>
    <div>
    <button id="blackBtn" type="button" class="btn btn-dark">Default</button>
    <button id="redBtn" type="button" class="btn btn-danger">Red</button>
    <button id="blueBtn" type="button" class="btn btn-primary">Blue</button>
    <button id="greenBtn" type="button" class="btn btn-success">Green</button>
    <button id="eraserBtn" type="button" class="btn btn-secondary">Eraser</button>
    <button id="clearBtn" type="button" class="btn btn-warning">Clear Canvas</button>
</div>

<p>Current Drawing Color: <span style="font-weight: bold;"
id="currentColor">Black</span></p>

<script src="./script.js"></script>
</body>
</html>
```

```css
/* write you stylings here */

body{
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
}

div{
    margin-top: 2%;
}
```

```javascript
// write you Scripts here

const canvas=document.getElementById("sketchPad");
const ctx=canvas.getContext("2d");
const redBtn=document.getElementById("redBtn");
const blueBtn=document.getElementById("blueBtn");
const eraserBtn=document.getElementById("eraserBtn");
const greenBtn=document.getElementById("greenBtn");
const blackBtn=document.getElementById("blackBtn");
let drawing=false;
let currentColorDisplay="black";
const currentColor=document.getElementById("currentColor");
const setColor=(color)=>{

    currentColorDisplay=color;
    if(color=="white"){
        currentColor.textContent="White (Eraser)";
    }

    else{
    currentColor.textContent=(color.charAt(0).toUpperCase()+color.slice(1)).trim();}

}

blackBtn.addEventListener("click",()=>{
    setColor("black");
})

redBtn.addEventListener("click",()=>{
```

```javascript
    setColor("red");
})
blueBtn.addEventListener("click",()=>{
    setColor("blue");
})
greenBtn.addEventListener("click",()=>{
    setColor("green");
})

eraserBtn.addEventListener("click",()=>{
    setColor("white");
})


document.getElementById("clearBtn").addEventListener("click",()=>{
    ctx.clearRect(0,0,canvas.width,canvas.height);
    ctx.fillStyle="#ffffff";
    ctx.fillRect(0,0,canvas.width,canvas.height);

})

canvas.addEventListener("mousedown",(e)=>{
    drawing=true;
    ctx.beginPath();
    ctx.moveTo(e.offsetX,e.offsetY);
})


canvas.addEventListener("mousemove",(e)=>{
    if(drawing)
    {
        ctx.lineTo(e.offsetX,e.offsetY);
        ctx.strokeStyle=currentColorDisplay;
        ctx.lineWidth=2;
        ctx.stroke();
    }
})

canvas.addEventListener("mouseup",()=>{
    drawing=false;
})

canvas.addEventListener("mouseleave",()=>{
    drawing=false;})
```