WPT Assignment-5

Program to implement messaging app using DOM operation

dom_nodes.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <script src="dom_nodes.js"></script>
  </head>
  <body>
    <input type="text" name="" id="text-id1" onkeyup="checkEnter(event)" />

    <input
      id="btn-id1"
      type="button"
      value="Add New Message"
      onclick="addNewMessage(this)"
    />
    <!--this keyword to pass the input object-->

    <!-- THIS IS MESSAGE CONTAINER -->
    <div id="message-container">
      <div
        style="
          display: flex;
          justify-content: space-between;
          align-items: center;
        "
      >
        <h1>User Message</h1>
        <input type="button" value="DEL" onclick="deleteMessage(this)" />
      </div>
    </div>
  </body>
</html>
```
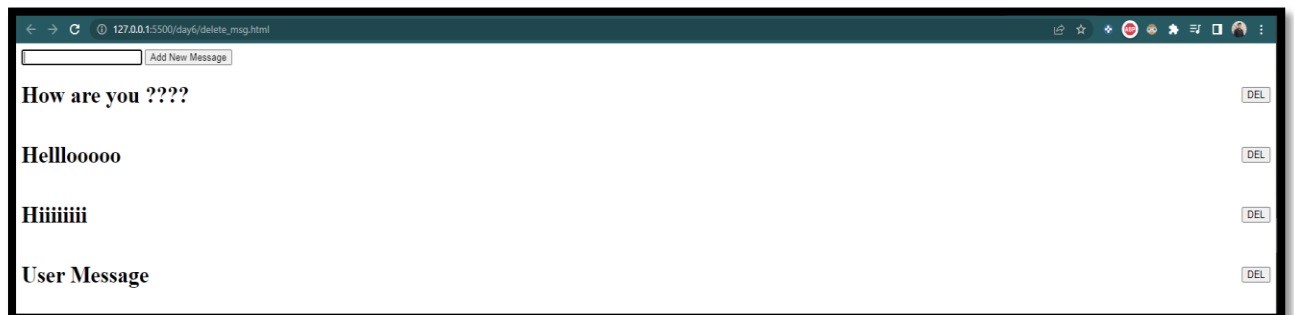
dom_nodes.js -> [DOM Navigation]

```javascript
function addNewMessage(p1) {
  // let divRef =  document.querySelector("#message-container");
  // let textRef = document.querySelector("#text-id1");

  let divRef = p1.nextElementSibling;          //Node Relationship
  let textRef = p1.previousElementSibling;

  let newElement = `<div
          style="
            display: flex;
            justify-content: space-between;
            align-items: center;
          "
        >
          <h1>${textRef.value}</h1>
          <input type="button" value="DEL" onclick="deleteMessage(this)" />
        </div>`;
  divRef.innerHTML = newElement + divRef.innerHTML;

  // make empty
  textRef.value = "";
}

function checkEnter(event) {
  // Enter has been pressed
  if (event.keyCode == "13") {
    let btnRef = document.querySelector("#btn-id1");
    addNewMessage(btnRef);
  }
}

function deleteMessage(p1) {
  p1.parentElement.remove();
}
```

Output:

//onclick.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <script src="onclick.js"></script>
  </head>
  <body>
    <h1 id="id1">Hello World</h1>

    <input type="button" value="Change Color" onclick="changeColor('red')" />
    <input type="button" value="Change Font Size" onclick="changeFontSize()" />
    <input type="button" value="Reset" onclick="reset()" />
  </body>
</html>
```

//onclick.js

```javascript
function changeColor(p1color) {
  let h1ref = document.querySelector("#id1");
  h1ref.style.color = p1color;
}

function changeFontSize() {
  let h1ref = document.querySelector("h1");
  h1ref.style.fontSize = "64px";
}

function reset() {
  let h1ref = document.querySelector("h1");
  h1ref.style.color = "inherit";
  h1ref.style.fontSize = "32px";
}
```

Output: