

KHAMIS SAID MOHD (BITAM/9/21/004/TZ)

GitHub Repository: https://github.com/khasamoh/Practical_session_3.git

Question 1&2:

```
<!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>Regular Expression</title>
</head>
<style>
  div{width: 30%;margin: auto;text-align: center;border-left: 2px dashed
  rgba(255, 136, 0, 0.918);border-right: 2px dashed rgba(255, 136, 0,
  0.918);padding: 10px;}
  input{width: 95%;font-size: 18px;height: 30px;padding-left: 5px;}
  label{text-align: center;font-size: 20px;font-style: italic;font-weight:
  bold;}
</style>
</head>
<script>
  var regex = /^<\w+\s*(\w+="[^\"]*"|'\'')*\s*>\/>$;/;
  var tag = '';
  if (regex.test(tag)) {
    console.log('Valid self-closing HTML tag');
  } else {
    console.log('Invalid self-closing HTML tag');
  }
  document.addEventListener('DOMContentLoaded',()=>{
    let input = document.querySelector('input');
    let label = document.querySelector('label');
    let input1 = document.querySelector('#input');
    let label1 = document.querySelector('#label');

    input.onkeyup = ()=>{
      let regex = /^<\$\d+(\.\d{2})?$/;
      if(regex.test(input.value)){
        label.textContent = 'Valid';
        label.style.color = 'green';
        input.style.color = 'green';
      }else{
        label.textContent = 'Invalid';
        label.style.color = 'red';
      }
    }
  })
}
```

```

        input.style.color = 'red';
    }
}
input1.onkeyup = ()=>{
    let regex1 = /^<\w+\s*(\w+="[^"]*"|'\s*')*\>$/;
    if(regex1.test(input1.value)){
        label1.textContent = 'Valid';
        label1.style.color = 'green';
        input1.style.color = 'green';
    }else{
        label1.textContent = 'Invalid';
        label1.style.color = 'red';
        input1.style.color = 'red';
    }
}
});
</script>
<body>
<div>
    <h3>Question 1 Test validation of Price start with $</h3>
    <input type="text" placeholder="Enter price"><br>
    <label></label><br>
    <hr>
    <h3>Question 2 Test validation of HTML tag. A tag must start with "<" and end
        with ">"</h3>
    <input type="text" id="input" placeholder="Enter HTML Tag"><br>
    <label id="label"></label><br>
</div>
</body>
</html>

```

Question 3:

```

<!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>
</head>
<script>
    document.addEventListener("DOMContentLoaded", ()=> {
        var list = document.querySelector("#list");
    });

```

```

var itemInput = document.querySelector("#item");
var addButton = document.querySelector("#add");
var removeButton = document.querySelector("#remove");
var isYellow = false;

addButton.addEventListener("click", ()=> {
    var itemText = itemInput.value.trim();

    if (itemText !== "") {
        var itemArray = itemText.split(" ");

        itemArray.forEach((word)=> {
            var li = document.createElement("li");
            li.textContent = word;
            li.style.backgroundColor = isYellow ? "yellow" : "white";
            list.appendChild(li);
            isYellow = !isYellow;
        });

        itemInput.value = "";
    }
});

removeButton.addEventListener("click", ()=> {
    var itemText = itemInput.value.trim().toLowerCase();

    var items = list.getElementsByTagName("li");
    for (var i = 0; i < items.length; i++) {
        var item = items[i];
        if (item.textContent.toLowerCase() === itemText) {
            item.parentNode.removeChild(item);
            isYellow = !isYellow;
            break;
        }
    }
    itemInput.value = "";
});
});

</script>
<body>
    <h1>My super nifty to-do list</h1>
    <ul id="list"></ul>
    <div>
        <input type="text" id="item" />

```

```

    <button id="add">add</button>
    <button id="remove">remove</button>
  </div>
</body>
</html>

```

Question 4:

Qn4.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="sesame-street.js"></script>
</head>
<body>
  <h1>Whitaker's Desserts</h1>
  <h2 id="cookie-header">Whitaker's Cookie Jar:</h2>
  <ul id="cookie-jar">
    <li class="cookie">Chocolate Chip</li>
    <li class="cookie">Oatmeal raisin</li>
    <li class="cookie">Macaroon</li>
  </ul>
  <p id="cookie-count"></p>
  <h2>Whitaker's Pie Cupboard:</h2>
  <ul id="pie-cupboard">
  </ul>
  <button id="moar-pie">Moar Pie!</button>
</body>
</html>

```

sesame-street.js

```

document.addEventListener("DOMContentLoaded", () => {
  // Big Bird Yellow
  var cookieHeader = document.querySelector("#cookie-header");
  cookieHeader.style.color = "#f7f16d";

  // Count Chocula
  var cookieJar = document.querySelector("#cookie-jar");

```

```
var cookies = cookieJar.getElementsByClassName("cookie");
var cookieCount = cookies.length;
var cookieCountText = "There are " + cookieCount + " cookie(s) in the cookie
jar!";
var cookieCountElement = document.querySelector("#cookie-count");
cookieCountElement.textContent = cookieCountText;

// Cookie Monster hungry
setInterval(()=> {
  if (cookieCount > 0) {
    cookieJar.removeChild(cookies[cookieCount - 1]);
    cookieCount--;
    cookieCountText = "There are " + cookieCount + " cookie(s) in the cookie
jar!";
    cookieCountElement.textContent = cookieCountText;
  }
}, 30000);
});
```