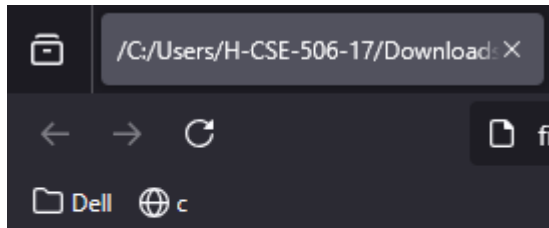


# WADS Lab Task 9 (06 Feb 2025)

HU22CSEN0100287

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## 1. Display XML data using XSLV



John 30 Jane 25

CODE :

[data.xml]

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="style.xsl"?>
<people>
  <person>
    <name>John</name>
    <age>30</age>
  </person>
  <person>
    <name>Jane</name>
    <age>25</age>
  </person>
</people>
```

[style.xsl]

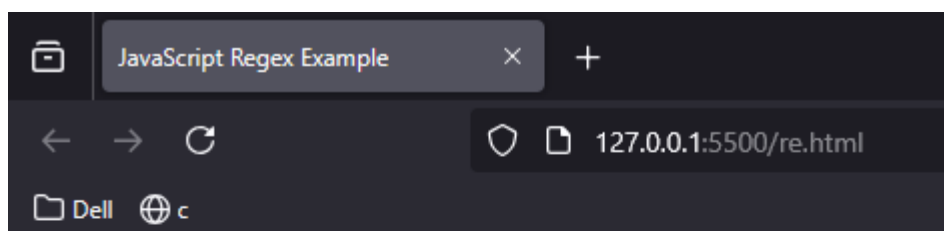
```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
      <body>
        <h2>People List</h2>
```

```

<table border="1">
  <tr>
    <th>Name</th>
    <th>Age</th>
  </tr>
  <xsl:for-each select="people/person">
    <tr>
      <td><xsl:value-of select="name"/></td>
      <td><xsl:value-of select="age"/></td>
    </tr>
  </xsl:for-each>
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>

```

## 2. JS using Regular Expressions search(), replace()



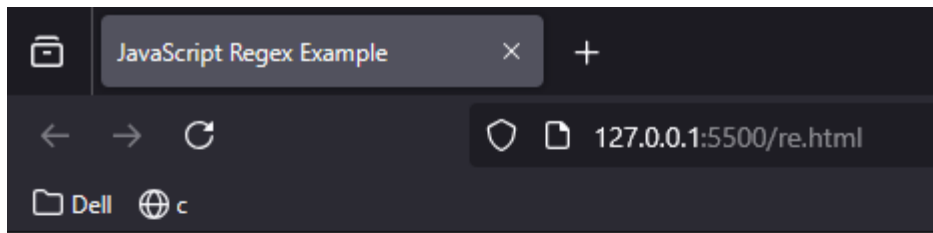
### Original String:

Hello, world! Welcome to the world of JavaScript.

Search and Replace 'world' with 'universe'

### Search Result (Index of 'world'):

### Replaced String:



## Original String:

Hello, world! Welcome to the world of JavaScript.

Search and Replace 'world' with 'universe'

## Search Result (Index of 'world'):

Found 'world' at index 7

## Replaced String:

Hello, universe! Welcome to the universe of JavaScript.

CODE:

[re.html]

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript Regex Example</title>
</head>
<body>
  <h1>Original String:</h1>
  <p id="original">Hello, world! Welcome to the world of JavaScript.</p>

  <button onclick="replaceText()">Search and Replace 'world' with
'universe'</button>
```

```
<h2>Search Result (Index of 'world'):</h2>
<p id="searchResult"></p>

<h2>Replaced String:</h2>
<p id="replaced"></p>

<script>
  function replaceText() {
    var str = document.getElementById("original").innerText;
    var searchResult = str.search(/world/);
    document.getElementById("searchResult").innerText = searchResult !== -1
? `Found 'world' at index ${searchResult}` : "'world' not found";
    var newStr = str.replace(/world/g, "universe");
    document.getElementById("replaced").innerText = newStr;
  }
</script>
</body>
</html>
```