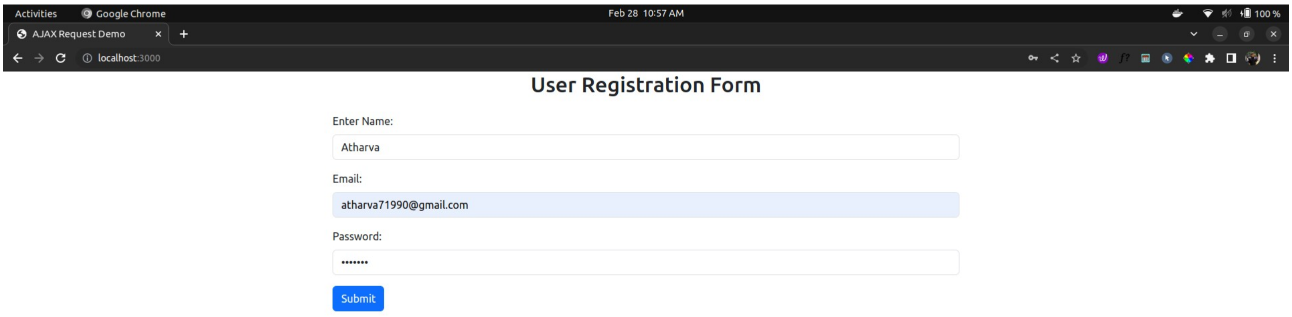
Assignment 1B: JavaScript AJAX Implementation

Name: Atharva Agrawal
RollNo: 33303
Batch: K-11

Sending Values:



User Registration Form

Enter Name:

Atharva

Email:

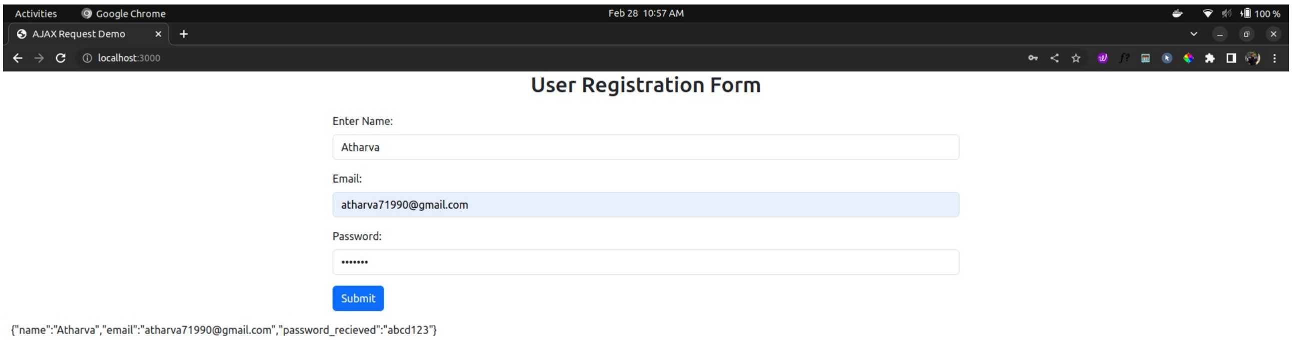
atharva71990@gmail.com

Password:

•••••••

Submit

Received Data:



User Registration Form

Enter Name:

Atharva

Email:

atharva71990@gmail.com

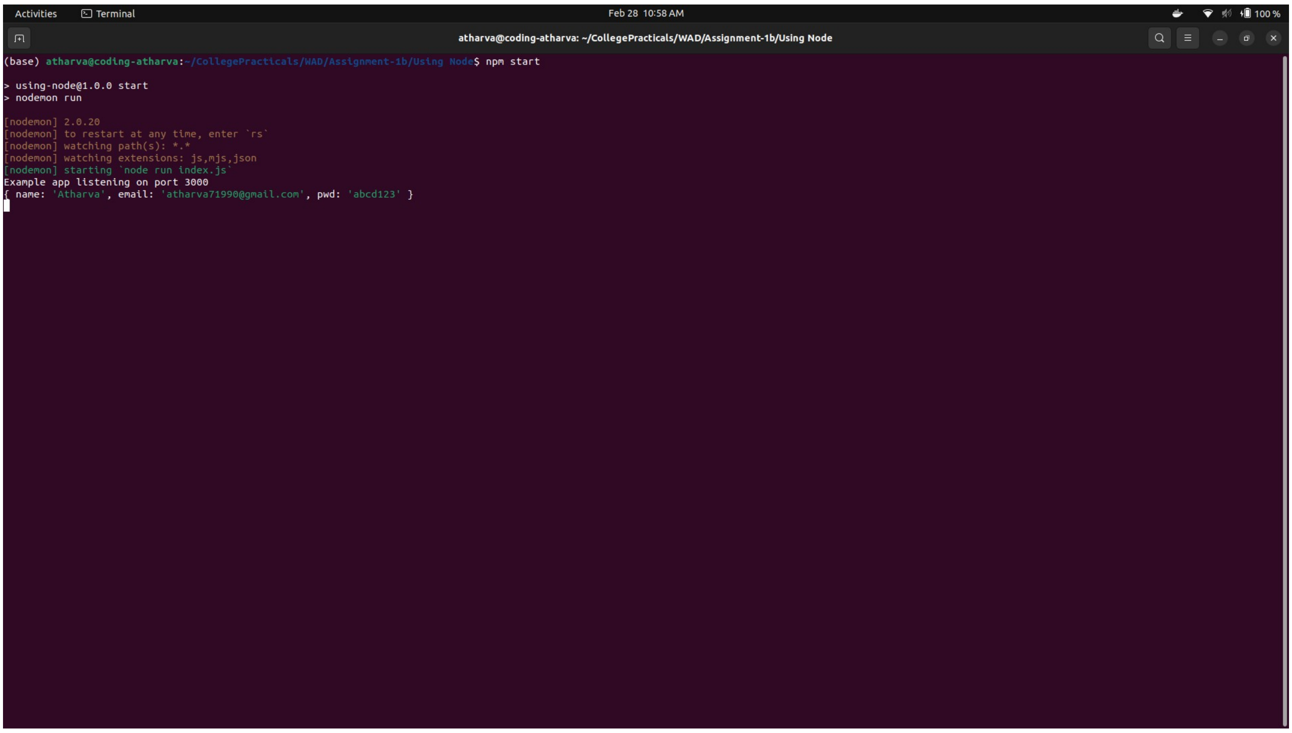
Password:

•••••••

Submit

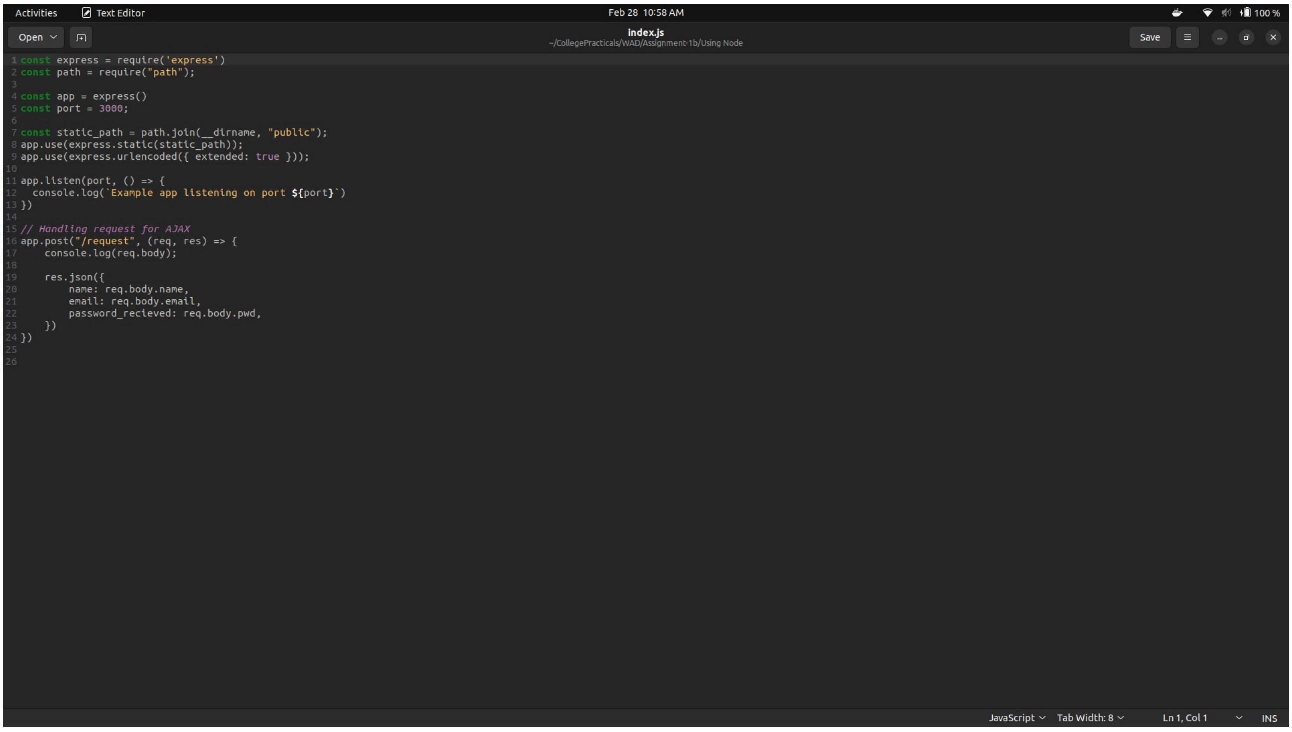
```
{"name":"Atharva","email":"atharva71990@gmail.com","password_recieved":"abcd123"}
```

Server Running:


Activities
Terminal
Feb 28 10:58 AM
100 %
atharva@coding-atharva: ~/CollegePracticals/WAD/Assignment-1b/Using Node

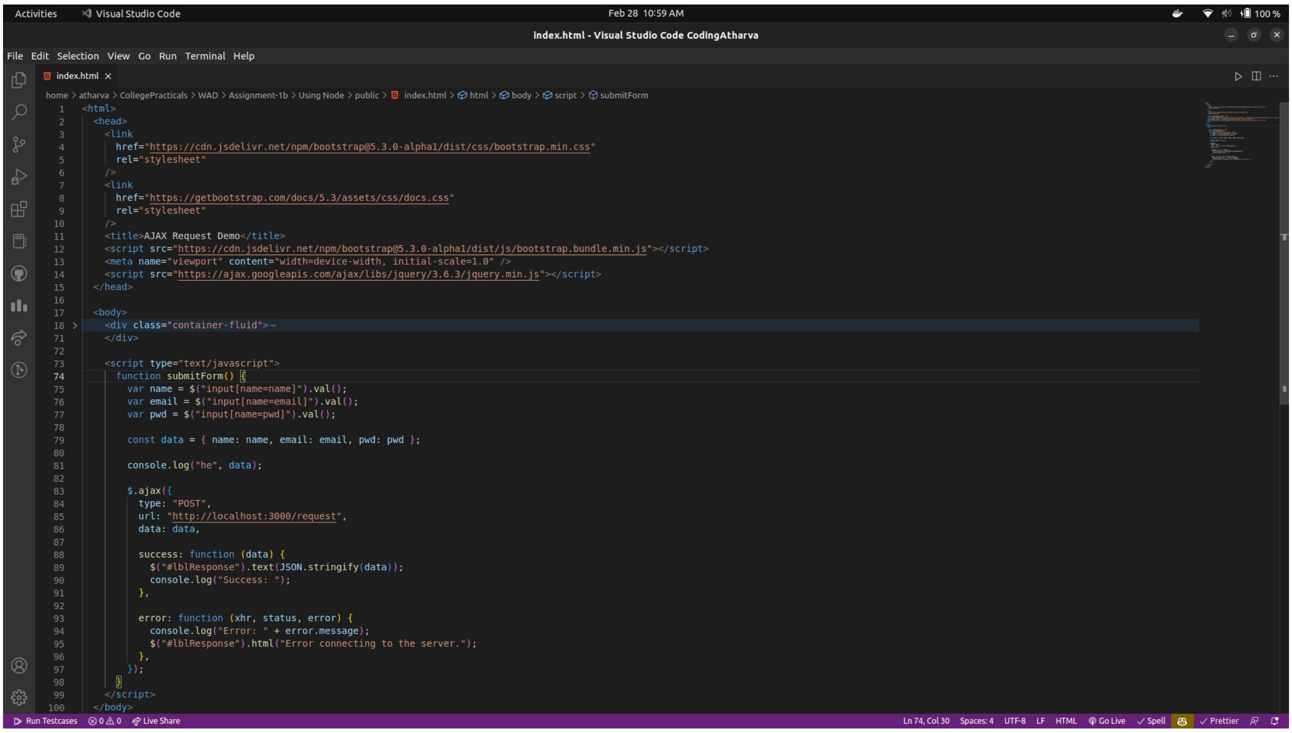
```
(base) atharva@coding-atharva:~/CollegePracticals/WAD/Assignment-1b/Using Node$ npm start

> using-node@1.0.0 start
> nodemon run

[nodemon] 2.0.20
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node run index.js`
Example app listening on port 3000
{ name: 'Atharva', email: 'atharva71990@gmail.com', pwd: 'abcd123' }
```

NodeJS Server Code:



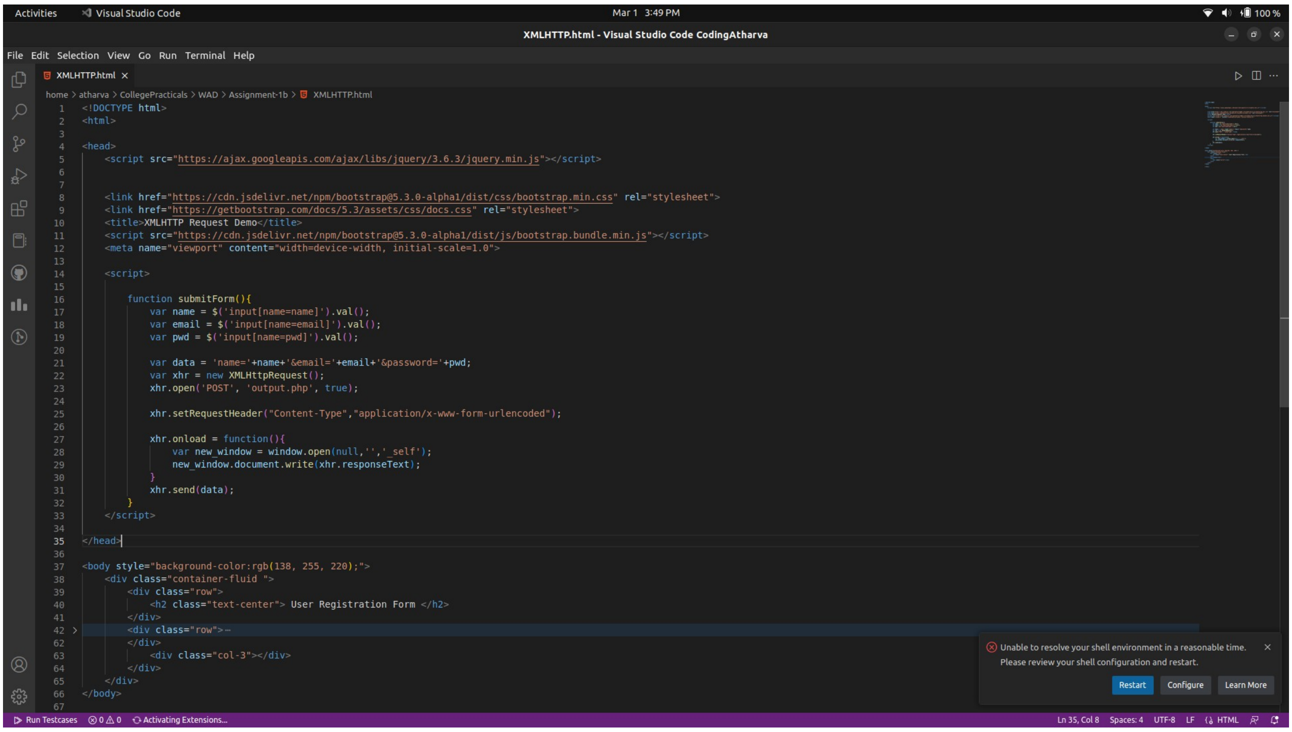
```javascript
const express = require('express')
const path = require("path");

const app = express()
const port = 3000;

const static_path = path.join(__dirname, "public");
app.use(express.static(static_path));
app.use(express.urlencoded({ extended: true }));

app.listen(port, () => {
  console.log(`Example app listening on port ${port}`)
})

// Handling request for AJAX
app.post("/request", (req, res) => {
    console.log(req.body);

    res.json({
        name: req.body.name,
        email: req.body.email,
        password_recieved: req.body.pwd,
    })
})


```

AJAX Code:


Activities
Visual Studio Code
Feb 28 10:59 AM
100 %
index.html - Visual Studio Code CodingAtharva
File Edit Selection View Go Run Terminal Help
index.html
home > atharva > CollegePracticals > WAD > Assignment-1b > Using Node > public > index.html > html > body > script > submitForm
Run Testcases
0 0
Live Share
Ln 74, Col 30
Spaces: 4
UTF-8
LF
HTML
Go Live
Spell
Prettier

```
<html>
  <head>
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
      rel="stylesheet"
    />
    <link
      href="https://getbootstrap.com/docs/5.3/assets/css/docs.css"
      rel="stylesheet"
    />
    <title>AJAX Request Demo</title>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
  </head>

  <body>
    <div class="container-fluid">…
    </div>

    <script type="text/javascript">
      function submitForm() {
        var name = $("input[name=name]").val();
        var email = $("input[name=email]").val();
        var pwd = $("input[name=pwd]").val();

        const data = { name: name, email: email, pwd: pwd };

        console.log("he", data);

        $.ajax({
          type: "POST",
          url: "http://localhost:3000/request",
          data: data,

          success: function (data) {
            $("#lblResponse").text(JSON.stringify(data));
            console.log("Success: ");
          },

          error: function (xhr, status, error) {
            console.log("Error: " + error.message);
            $("#lblResponse").html("Error connecting to the server.");
          },
        });
      }
    </script>
  </body>
```

XMLHTTP Code:


Activities
Visual Studio Code
Mar 1 3:49 PM
100 %
XMLHTTP.html - Visual Studio Code CodingAtharva
File Edit Selection View Go Run Terminal Help
XMLHTTP.html
home > atharva > CollegePracticals > WAD > Assignment-1b > XMLHTTP.html
Restart
Configure
Learn More
Run Testcases
0 0
Activating Extensions...
Ln 35, Col 8
Spaces: 4
UTF-8
LF
HTML

```
<!DOCTYPE html>
<html>

<head>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>


    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
    <link href="https://getbootstrap.com/docs/5.3/assets/css/docs.css" rel="stylesheet">
    <title>XMLHTTP Request Demo</title>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <script>

        function submitForm(){
            var name = $('input[name=name]').val();
            var email = $('input[name=email]').val();
            var pwd = $('input[name=pwd]').val();

            var data = 'name='+name+'&email='+email+'&password='+pwd;
            var xhr = new XMLHttpRequest();
            xhr.open('POST', 'output.php', true);

            xhr.setRequestHeader("Content-Type","application/x-www-form-urlencoded");

            xhr.onload = function(){
                var new_window = window.open(null,'','_self');
                new_window.document.write(xhr.responseText);
            }
            xhr.send(data);
        }
    </script>

</head>

<body style="background-color:rgb(138, 255, 220);">
    <div class="container-fluid ">
        <div class="row">
            <h2 class="text-center"> User Registration Form </h2>
        </div>
        <div class="row">…
        </div>
            <div class="col-3"></div>
        </div>
    </div>
</body>

```

Unable to resolve your shell environment in a reasonable time.
Please review your shell configuration and restart.