## Backend: index.js const express = require("express") app = express(); app.use(express.json()); app.use(function (req, res, next) { // Website you wish to allow to connect res.setHeader('Access-Control-Allow-Origin', '\*'); // Request methods you wish to allow res.setHeader('Access-Control-Allow-Methods', 'GET, POST, OPTIONS, PUT, PATCH, DELETE'); // Request headers you wish to allow res.setHeader('Access-Control-Allow-Headers', 'X-Requested-With, content-type'); // Set to true if you need the website to include cookies in the requests sent // to the API (e.g. in case you use sessions) res.setHeader('Access-Control-Allow-Credentials', true); // Pass to next layer of middleware next(); }); var data = { firstName: "", lastName:"", age:"", college:"" app.get("/", (req, res) => { res.status(200).json(data); app.post("/", (req, res) => {

const userData = req.body

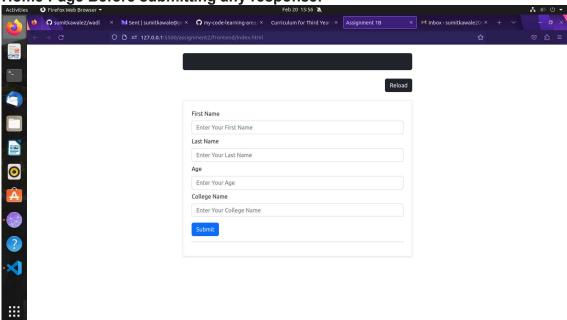
```
data = userData;
    console.log(data)
    res.status(200).json(data);
});
app.listen(3000, () => {
    console.log("http://localho
st:3000")
});
package.json
  "name": "backend",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "nodemon index.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "express": "^4.18.2"
  "devDependencies": {
    "nodemon": "^2.0.20"
}
Frontend:
index.html
<!doctype html>
<html lang="en">
<head>
     <title>Assignment
1B</title>
     <meta charset="utf-8">
     <meta name="viewport"</pre>
content="width=device-width,
initial-scale=1, shrink-to-
fit=no">
           link
href="https://cdn.jsdelivr.net/
npm/bootstrap@5.2.1/dist/css/bo
otstrap.min.css"
rel="stylesheet"
integrity="sha384-
```

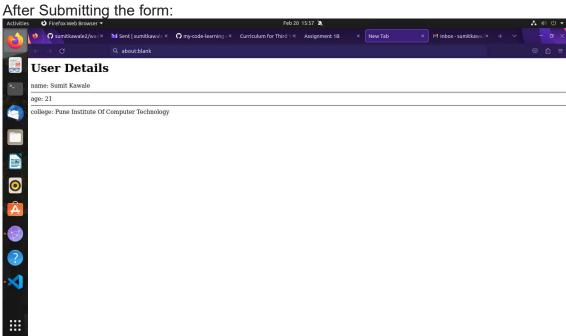
```
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6so
                                       placeholder="Enter Your Last
y8tYaI1GyVh/UjpbCx/TYkiZhlZB6+f
                                       Name">
zT" crossorigin="anonymous">
                                                        </div>
      <script
                                                        <div class="mb-
                                       2">
src="https://ajax.googleapis.co
m/ajax/libs/jquery/3.6.3/jquery
                                            <label for="age"</pre>
.min.js"></script>
                                       class="form-label">Age</label>
</head>
                                                              <input</pre>
<body>
                                       value="21" type="text"
                                       class="form-control" name="age"
     <div class="container my-</pre>
4">
                                       required id="age" aria-
                                       describedby="helpId"
           <main id="output"
class="bg-dark text-light p-4
                                       placeholder="Enter Your
rounded mb-4 w-50 mx-auto"
                                       Age"></div><div class="mb-3">
style="letter-spacing: 2px;">
                                                              <label
                                       for="college" class="form-
           </main>
           <div class="w-50 mx-
                                       label">College Name</label>
auto mb-4 text-end">
                                                              <input
                                       value="pict" type="text"
                 <button
                                       class="form-control"
class="btn btn-dark"
                                       name="college" required
onclick="fetchData()">Reload</br/>/b
                                       id="college" aria-
utton>
                                       describedby="helpId"
           </div>
                                       placeholder="Enter Your College
           <form
id="addNumberForm" class="p-4
                                       Name">
border shadow-sm w-50 mx-
                                                        </div>
auto"><div class="mb-2"><label</pre>
                                                        <button
for="firstName" class="form-
                                       type="submit" class="btn btn-
label">First Name</label><input</pre>
                                       primary">Submit</button>
value="sumit" type="text"
                                                        <hr>>
class="form-control"
                                                        <small
name="firstName" required
                                       class="small text-success"
id="firstName" aria-
                                       id="msg"></small>
describedby="helpId"
                                                  </form>
placeholder="Enter Your First
                                            </div>
Name">
                                            <script>
                 </div>
                                                  const output =
                 <div class="mb-
                                       document.getElementById("output
2">
                                       ");
                       <label
for="lastName" class="form-
                                                  function fetchData()
label">Last Name</label>
                                       {
                       <input
value="kawale" type="text"
                                                        var xhttp = new
class="form-control"
                                       XMLHttpRequest();
name="lastName" required
id="lastName" aria-
                                            xhttp.onreadystatechange =
describedby="helpId"
                                       function() {
```

```
if
                                                             const
(this.readyState == 4 &&
                                      firstName =
this.status == 200) {
                                      event.target.firstName.value;
                            let
data =
                                      lastName =
JSON.parse(xhttp.responseText)
                                      event.target.lastName.value;
                                                             const age
                            let
                                      = event.target.age.value;
string = `name:
                                                             const
${data.firstName}
                                      college =
${data.lastName} <hr>age:
                                      event.target.college.value;
${data.age}<hr>college:
                                                 $("#msg").html("")
${data.college}`;
                                                             $.ajax({
     output.innerHTML = string;
                                           type: 'post',
                                                                  url:
                                      'http://localhost:3000/',
                            w =
window.open();
                                            data: JSON.stringify({
     w.document.body.innerHTML
= "<h1>User Details</h1><h3>";
                                            firstName, lastName, age,
                                      college
     w.document.body.innerHTML
                                                                  }),
+= string;
                                            contentType:
     w.document.body.innerHTML
                                      "application/json; charset=utf-
+= "</h3>";
                                      8",
                      }
                 };
                                           traditional: true,
     xhttp.open("GET",
"http://localhost:3000/",
                                            success: function(data) {
true);
                xhttp.send();
                                           fetchData();
           document.body.onload
                                            $("#msg").html("User
                                      Details Updated")
= () => {
                 fetchData()
                                                                  }
                                                             });
                                                       })
     document.forms.addNumberFo
rm.addEventListener("submit",
                                            </script>
(event) => {
                                      </body>
                                      </html>
     event.preventDefault();
```

## **OUTPUT:**

Home Page Before submitting any response:





Home Page After Submitting form:

