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Batch:- AIML A1

OBJECTIVE

Write a web application with Node.js that allows users to log in with their username and password.

CODE

Html

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="UTF-8"  >
    <meta name="viewport" content="width=device-width,
initial-scale=1"  >
    <title>Login Form {title}>
    <link href="css/style.css" rel="stylesheet"  >
    <link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstr
ap.min.css"
    rel="stylesheet"

integrity="sha384-QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0
JMhJY6hW+ALEwIH"
    crossorigin="anonymous"
  >
  </head>
  <body>
    <h1>Login {h1}>
    <form id="loginForm">
      <div class="form-group mx-2">
        <label for="exampleInputEmail">User Name {label}>
```

```

    <input
      type="text"
      class="form-control"
      id="inputUsername"
      aria-describedby="emailHelp"
      placeholder="Username"
      required
    >
  </div>
  <div class="form-group mx-2">
    <label for="exampleInputPassword1">Password {label}</label>

    <input
      type="password"
      class="form-control"
      id="inputPassword"
      placeholder="Password"
      required
    >
  </div>
  <button
    type="submit"
    class="btn btn-primary mt-2 mx-2"
    onclick="submitForm()"
  >
    Submit
  </button>
</form>
<p id="errorMessage"> {p}</p>
<script src="form.js"> {script}</script>
<script

```

```
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js"
```

```
integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/ZjvgyoIM6VfVrkX/vR+Vc4jQkC+hVqc2pM80Dewa9r"
```

```
crossorigin="anonymous"
```

```
> {script>
```

```
<script
```

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js"
```

```
integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZooOT0to5eQruptLy"
```

```
crossorigin="anonymous"
```

```
> {script>
```

```
<script
```

```
src="https://cdnjs.cloudflare.com/ajax/libs/axios/1.2.1/axios.min.js"> {script>
```

```
{body>
```

```
{html>
```

JS

```
import axios from " :/node_modules/axios/";
```

```
function submitForm() {
```

```
  event.preventDefault(); Prevent default form submission
```

```
  const username = document.getElementById("inputUsername").value;
```

```

const password = document.getElementById("inputPassword").value;
console.log(username, password);
axios
  .post("http: localhost:3001/login", { username, password })
  .then((response) * {
    console.log(response);
    if (response.status --- 200) {
      document.body.innerHTML = response.data.message;
    }
    if (response.code -- "ERR_BAD_REQUEST") {
      document.getElementById("errorMessage").innerText = "hi";
    }
  })
  .catch((err) * {
    console.log(err);
  });
}

```

NODE

```

const express = require("express");
const mongoose = require("mongoose");
const cors = require("cors");
const UserModel = require("../models/Users.js");

const app = express();
app.use(cors());
app.use(express.json());

mongoose.connect("mongodb: localhost:27017/lab9");

```

```

app.post("/login", async (req, res) * {
  const username = req.body.username;
  const password = req.body.password;

  find one user with the email
  const userWithUsername = await UserModel.findOne({
    username: username,
  }).catch((err) * {
    console.log("Error", err);
  });

  if no username found return error
  if (!userWithUsername) {
    return res.status(400).json({ message: "Username Not found" });
  }

  if no matching password return error
  else if (userWithUsername.password !== password) {
    return res.status(400).json({ message: "Password not found" });
  } else {
    return res.status(200).json({ message: `Welcome ${username}` });
  }
});

app.listen(3001, () * {
  console.log("Server is running");
});

```

Output

Login

User Name

Password

Login

User Name

Password

Welcome Anvesha