

Experiment 5

Express.js: First Application in Express.js

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Lab Objective: Set up a first application in Express JS

Step 1: Initialize the Project:

```
PS C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> npm init -y
Wrote to C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app\package.json:

{
  "name": "my-node-app",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "type": "commonjs"
}
```

Step 2: Install Express:

```
PS C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> npm install express

added 67 packages, and audited 68 packages in 4s

14 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Step 3: Create the Entry File (app.js/index.js):

```
PS C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> touch index.js
Touching index.js
```

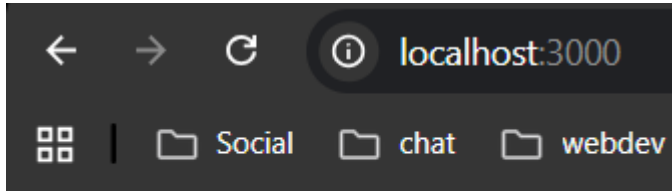
Step 4: Setup Express Application:

```
1 const express = require("express");
2 const app = express(); // Define a route for the root URL
3 app.get('/', (req, res) => {res.send('Hello World from Express!')}));
4 // Start the server
5 const PORT = 3000;
6 app.listen(PORT, () => {
7   console.log(`Server is running on http://localhost:${PORT}`);
8 });
```

Step 5: Run the Application:

```
PS C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> node index.js
Server is running on http://localhost:3000
```

Step 6: Test the Application:

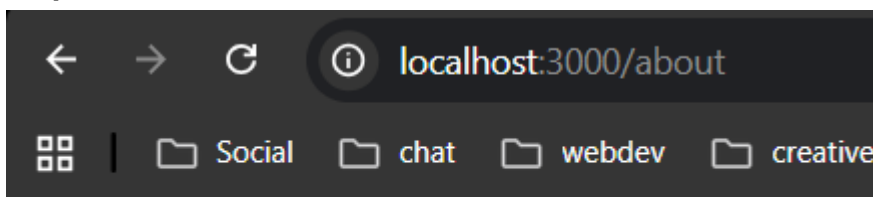


Hello World from Express!

Step 7: Handling Another Route:



Step 8: Restart and Test:



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