TERMINAL :

```
Last login: Thu Sep 26 19:44:24 on ttys000
mobinazargary@Mobinas-MacBook-Pro ~ % mkdir 101472495_COMP3123-exec04
cd 101472495_COMP3123-exec04

mobinazargary@Mobinas-MacBook-Pro 101472495_COMP3123-exec04 % npm init -y

Wrote to /Users/mobinazargary/101472495_COMP3123-exec04/package.json:

{
  "name": "101472495_comp3123-exec04",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}



mobinazargary@Mobinas-MacBook-Pro 101472495_COMP3123-exec04 % npm install express


added 65 packages, and audited 66 packages in 1s

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

found 0 vulnerabilities
mobinazargary@Mobinas-MacBook-Pro 101472495_COMP3123-exec04 % npm install --save-dev nodemon


added 29 packages, and audited 95 packages in 2s

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

found 0 vulnerabilities
```

PACKAGE.JSON:

```json
{
  "name": "101472495_comp3123-exec04",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "start": "node index.js",
    "dev": "nodemon index.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": "",
  "dependencies": {
    "express": "^4.21.0"
  },
  "devDependencies": {
    "nodemon": "^3.1.7"
  }
}
```

```javascript
app.post('/user/:firstname/:lastname', (req, res) => {
  const { firstname, lastname } = req.params; // Get firstname and
lastname from URL path
  res.json({ firstname, lastname }); // Send JSON response
});

// Start the server on port 3000
const PORT = process.env.PORT || 3000;
app.listen(PORT, () => {
  console.log(`Server running on port ${PORT}`);
});




const express = require('express');
const app = express();

app.get('/hello', (req, res) => {
  res.send('Hello Express JS');
});

app.get('/user', (req, res) => {
  const firstname = req.query.firstname || 'Pritesh';
  const lastname = req.query.lastname || 'Patel';
  res.json({ firstname, lastname });
});

app.post('/user/:firstname/:lastname', (req, res) => {
  const { firstname, lastname } = req.params; // Get firstname and
lastname from URL path
  res.json({ firstname, lastname }); // Send JSON response
});
```

Run the application:

```
mobinazargary@Mobinas-MacBook-Pro 101472495_COMP3123-exec04 % npm run dev


> 101472495_comp3123-exec04@1.0.0 dev
> nodemon index.js

[nodemon] 3.1.7
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node index.js`
Server running on port 3000
```

RESULTS:

GET HELLO:

← → C ⓘ localhost:3000/hello

Hello Express JS

GET USER :

Pretty-print ☐

{"firstname":"Pritesh","lastname":"Patel"}

POST USER:

http://localhost:3000/user/Mobina/Zargary

[icon] Save ⌄

| POST ⌄ | http://localhost:3000/user/Mobina/Zargary | Send |

Params   Authorization   Headers (8)   Body   Scripts   Settings

Query Params

	Key	Value	Description	⋯ Bu
	Key	Value	Description	

Body   Cookies   Headers (7)   Test Results   200 OK • 4 ms • 278 B • ⊕ |

| Pretty | Raw | Preview | Visualize | JSON ⌄ | ⇥ |

```
1  {
2      "firstname": "Mobina",
3      "lastname": "Zargary"
4  }
```