

Exercise - Create an express application to send user information from form using GET and POST methods

Implementation: GET methods

Program:

Register.html:

```
<h1>Registration Page</h1>
<br>

<form action="formSubmit" method="get">
  <input type="text" placeholder="Enter your Name" name="name"
id="name"/><br>
  <input type="text" placeholder="Enter your City" name="city" id="city"/><br>
  <input type="submit">
</form>
```

Index.js:

```
// Import the Express module
const express = require('express');

// Create an Express application
var app = express();

// Define a route handler for the '/register' GET request
app.get('/register', function (req, res) {
  // Send the 'register.html' file from the current directory (__dirname')
  res.sendFile(__dirname + '/register.html');
});

// Define a route handler for the '/formSubmit' GET request
app.get('/formSubmit', function (req, res) {
  // Extract the user's input from the query string
  const name = req.query.name;
  const city = req.query.city;

  // Send a response message using the extracted user input
  res.send('Your Name is ' + name + ' and Your city is ' + city);
});

// Start the Express application and listen on port 7090
app.listen(7090);
```

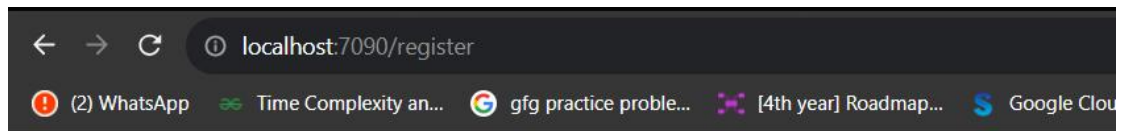
Note:

Open your web browser and navigate to <http://localhost:7090/register>

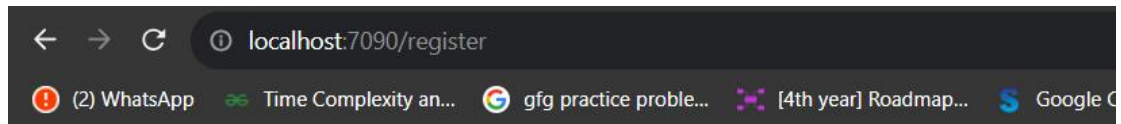
This will open the registration form.

Output:

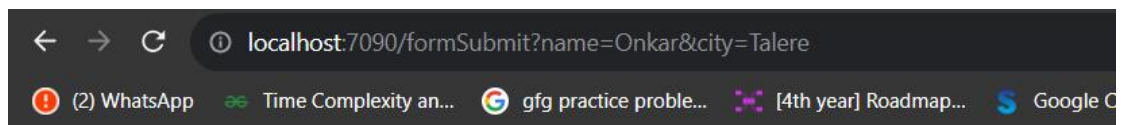
```
PS G:\MCA-Web-main\MCA-Web-main> cd FormDataAccessNodejs
PS G:\MCA-Web-main\MCA-Web-main\FormDataAccessNodejs> node index.js
```



Registration Page



Registration Page



Your Name is Onkar and Your city is Talere

Implementation: Post Methods using body-parser

Program:

Register.html

```
<h1>Registration Page</h1>
<br>

<form action="formSubmit" method="post">
  <input type="text" placeholder="Enter your Name" name="name"
id="name"/><br>
  <input type="text" placeholder="Enter your City" name="city" id="city"/><br>
  <input type="submit">
</form>
```

Index.js

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

var app = express();

// Import the body-parser module to parse incoming JSON and URL-encoded form
data
var bodyParser = require('body-parser');

// Use the body-parser.json() middleware to parse JSON data
app.use(bodyParser.json());

// Use the body-parser.urlencoded({extended:true}) middleware to parse URL-
encoded form data
app.use(bodyParser.urlencoded({ extended: true }));

// Define a route handler for the '/register' GET request
app.get('/register', function (req, res) {
  // Send the 'register.html' file from the current directory ('__dirname')
  res.sendFile(__dirname + '/register.html');
});

// Define a route handler for the '/formSubmit' POST request
app.post('/formSubmit', function (req, res) {
  // Extract the user's input from the request body
  const name = req.body.name;
  const city = req.body.city;

  // Send a response message using the extracted user input, emphasizing the name and
city using HTML tags
  res.send("Your Name is <b>" + name + "</b> and Your city is <b>" + city +
"</b>");
});

// Start the Express application and listen on port 7091
app.listen(7091);
```

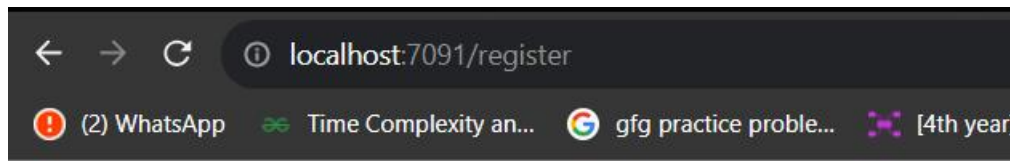
Note:

Open your web browser and navigate to <http://localhost:7090/register>

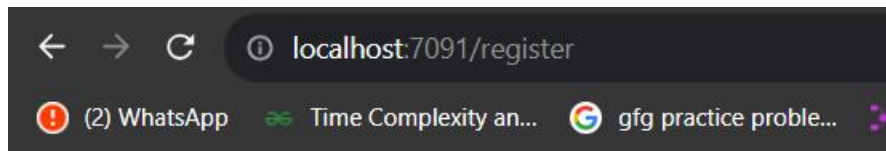
This will open the registration form.

Output:

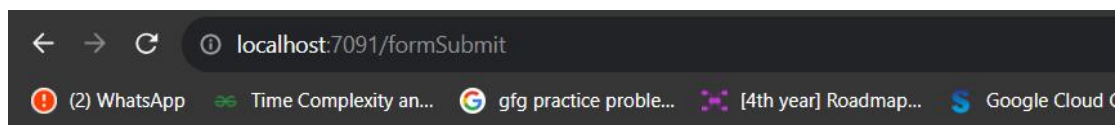
```
PS G:\MCA-Web-main\MCA-Web-main\FormDataAccessByPost> node index.js
```



Registration Page



Registration Page



Your Name is **Onkar** and Your city is **Talere**