

1.Create a Node.js server to implement routes for /home, /about, and /contact that respond with different messages for each route.

Node JS coding

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

const app = express()

app.use(express.json())

app.get('/', (req, res) => {
  res.send('main page')
})

app.get('/home', (req, res) => {
  res.send('home page')
})

app.get('/about', (req, res) => {
  res.send('I am Prem \n Department of coomputer science engineering')
})

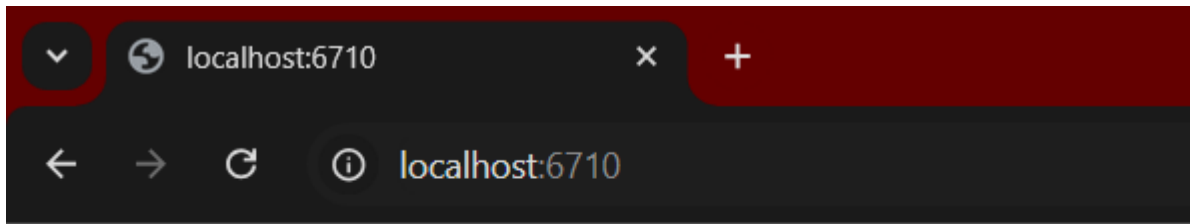
app.get('/contact', (req, res) => {
  res.send('contact me on shadowSpade.instagram')
})

app.get('/greet', (req, res) => {
  const name = req.query.name || 'guest'
  res.send(`Hello, ${name}!`);
})

port = process.env.PORT || 6710

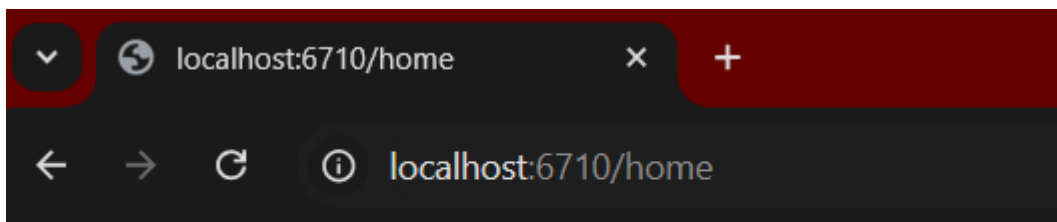
app.listen(port, () => console.log(`Port is running on ${port}`))
```

The main page after running the node js



main page

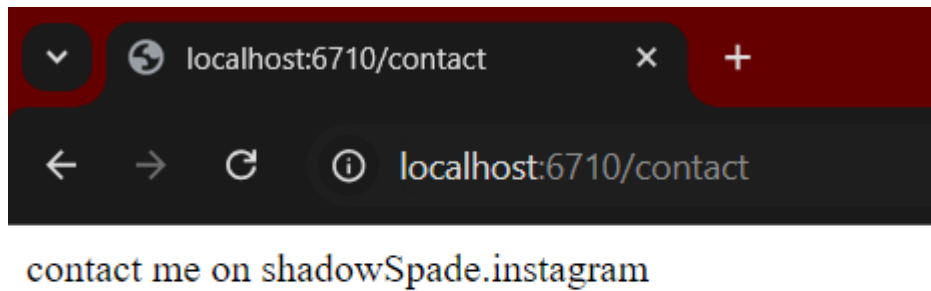
The home page



home page

The about page

The contact page



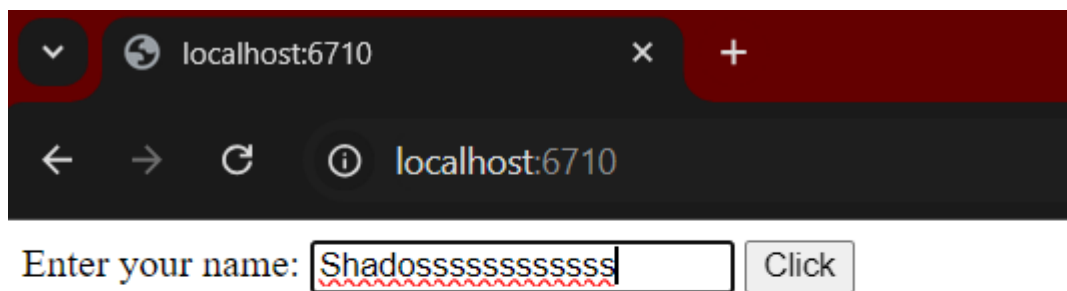
2. Build a server with a route `/greet` that accepts a query parameter name and responds with personalized greeting message, e.g., `"Hello, [name]"`;

Node js coding:

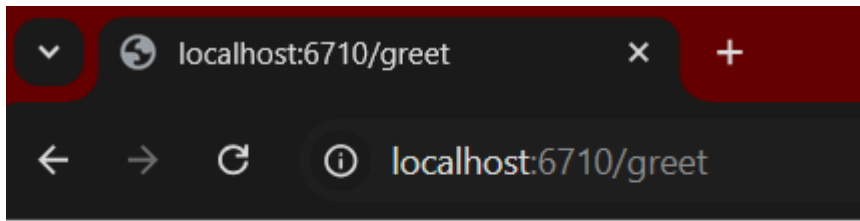
```
const express = require('express');
const app = express();
app.use(express.urlencoded({ extended: true }));
app.get('/', (req, res) => {
  res.send(`
    <form action="/greet" method="POST">
      <label for="name">Enter your name:</label>
      <input type="text" id="name" name="name">
      <button type="submit">Click</button>
    </form>
  `);
});
app.post('/greet', (req, res) => {
  const name = req.body.name || 'Guest';
```

```
res.send(`Hello, ${name}!`);  
});  
const PORT = 6710;  
app.listen(PORT, () => {  
  console.log(`Server is running on http://localhost:${PORT}`);  
});
```

Oputut:



The screenshot shows a web browser window with a dark theme. The address bar displays 'localhost:6710'. Below the address bar, there is a form with the text 'Enter your name:' followed by a text input field containing 'Shadosssssssssssss' and a 'Click' button. The input field has a red wavy underline underneath the text.



Hello, Shadossssssssssss!

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