

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(This is main page)  
})
```

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

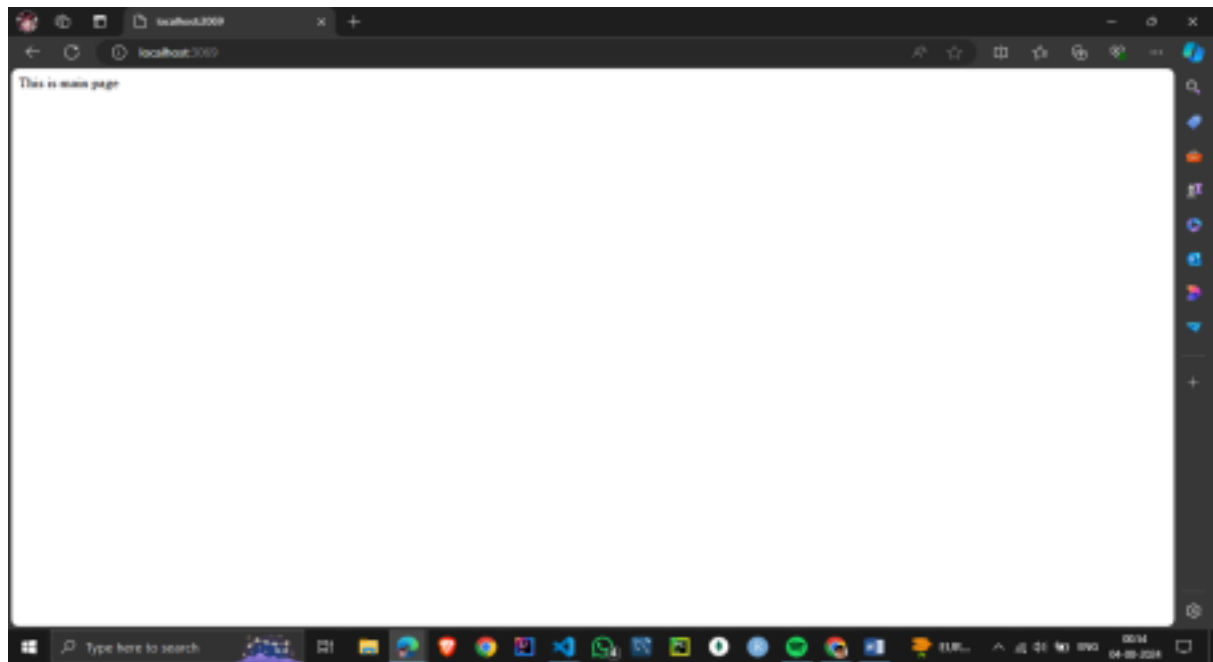
```
app.get('/about',(req,res)=>{  
    res.send(lam computer science and engineering student)  
})
```

```
app.get('/contact',(req,res)=>{  
    res.send('contact me on roogle.com')  
})
```

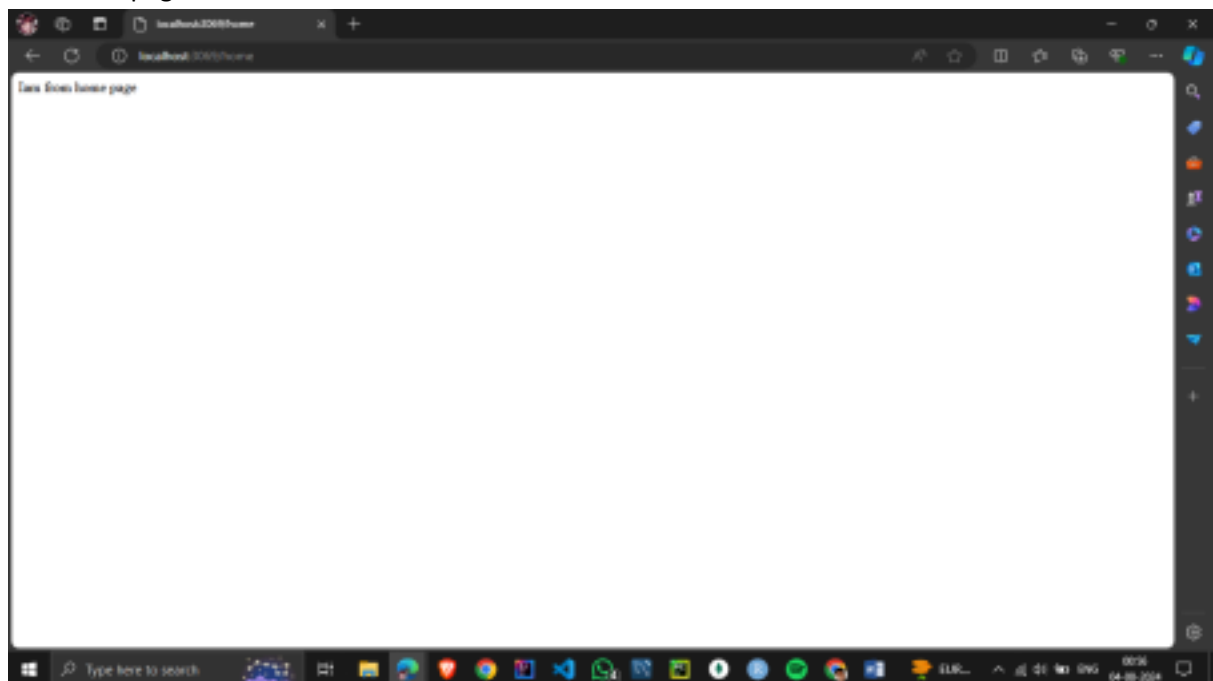
```
app.get('/greet',(req,res)=>{  
    const name=req.query.name| |guest  
    res.send(Hello, ${name}!);  
})
```

```
port = process.env.PORT| |3069
```

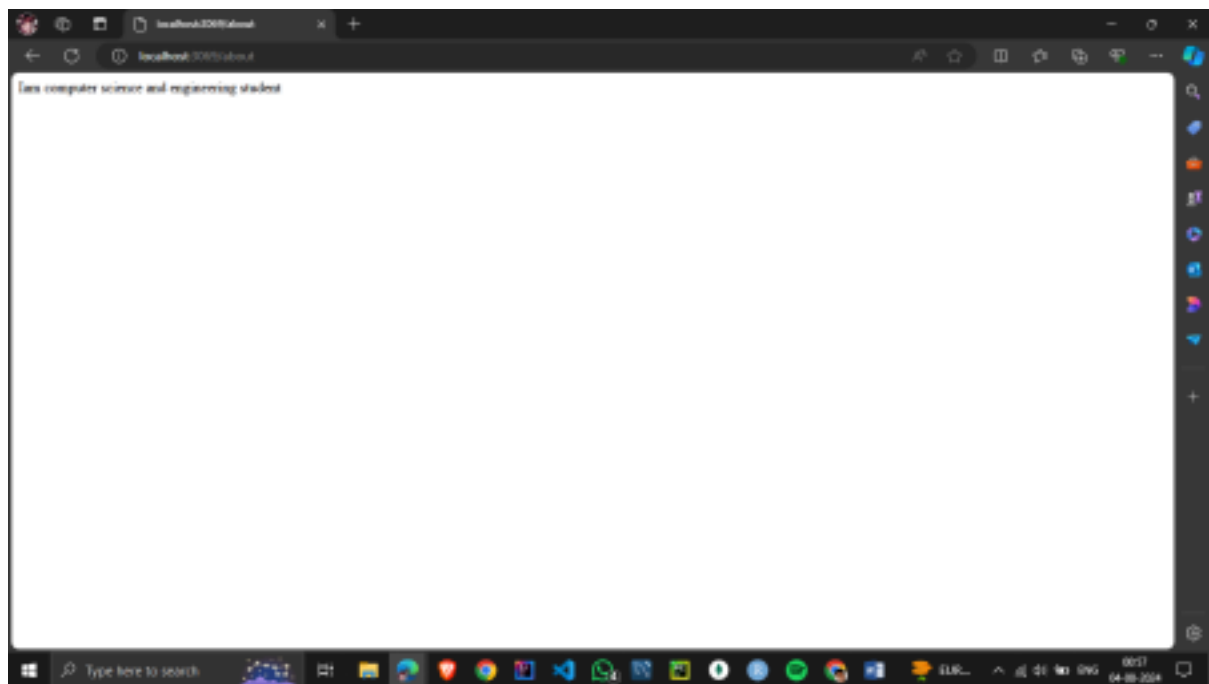
```
app.listen(port,()=>console.log(Port is running on ${port}))  
The main page after running the node js
```



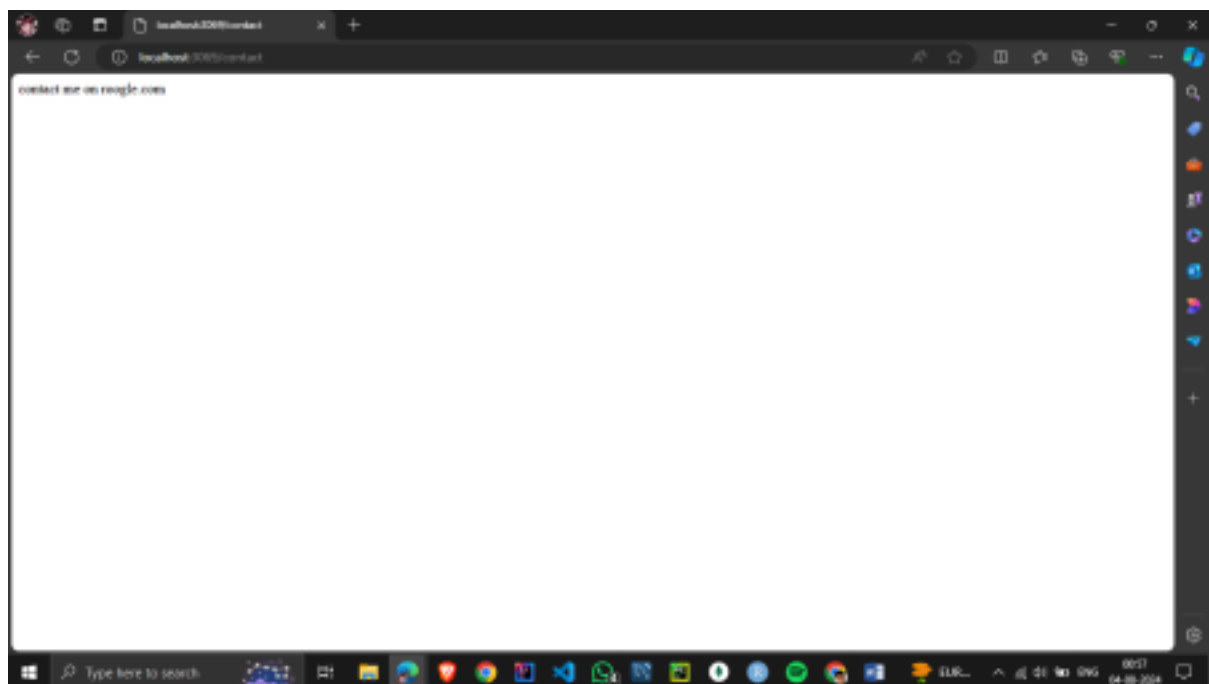
The home page



The about page



The contact page



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

Node.js coding:

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

```
const app = express();
```

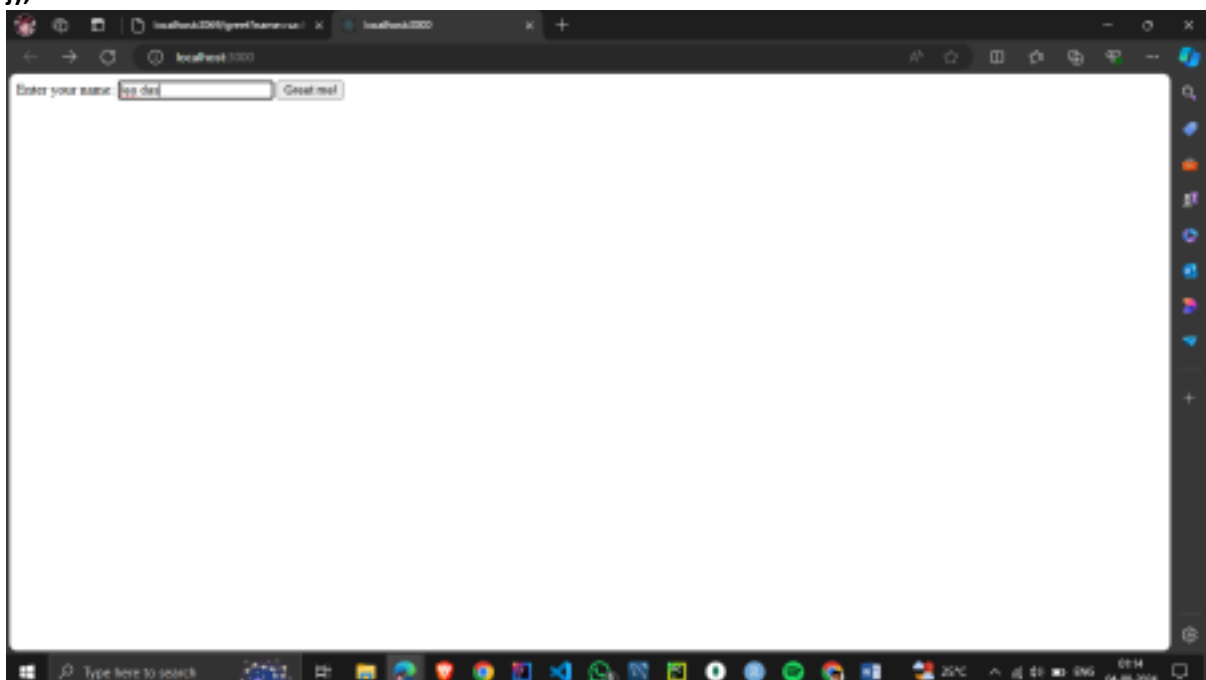
```
// Middleware to parse URL-encoded bodies (form data)
```

```
app.use(express.urlencoded({ extended: true }));
```

```
// Serve a simple form at the root route
```

```
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">Greet me!</button>  
  </form>  
`);  
});  
  
// Handle form submission and greet the user  
app.post('/greet', (req, res) => {  
  const name = req.body.name || 'Guest'; // Default to 'Guest' if no name is provided  
  res.send>Hello, ${name}!);  
});  
  
// Start the server  
const PORT = 3000;  
app.listen(PORT, () => {  
  console.log(Server is running on http://localhost:${PORT});  
});
```



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