

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

This is main page

The home page

I am from home page

The about page

I am computer science and engineering student

The contact page

contact me on roogle.com

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();
```

```
// 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}`);
```

```
});
```

Enter your name:

Hello, leo das!