```javascript
server.js

//import http

const http =require('http');


//create server

const server = http.createServer((req,res)=>{


res.setHeader('Content-type','text/html');
//Homepage
   if(req.url === '/'){
     res.statusCode = 200;
      //CSS and HTML code
      res.write(`


     <html>
       <head>
           <title>Home</title>
         <style>
           body {
               font-family: Arial, sans-serif;
               background-color: #f0f0f0;
               color: #333;
               text-align:center;
           }
           h1 {
               color: #007BFF;
           }
           p {
```

```
                    font-size: 16px;

                }

            </style>

            </head>

        <body>

            <h1>Welcome to the Home Page</h1>

            <p>This is the home route of our Node.js server.</p>

        </body>

    </html>


    `);

    res.end();

  }

//About Page

    else if(req.url.toLowerCase() === '/about'){

        res.statusCode = 200;

        //CSS and HTML code

        res.write(`


        <html>

            <head>

                <title>About</title>

                <style>

                    body {

                        font-family: Arial, sans-serif;

                        background-color: #f0f0f0;

                        color: #333;

                        text-align:center;
```

```
        }
        h1 {
            color: #fa5260ff;


        }
        p {
            font-size: 16px;


        }
    </style>
      </head>
  <body>
    <h1>Welcome to the About Page</h1>
    <p>This is the About route of our Node.js server.</p>
  </body>
</html>


  `);
  res.end();
}
```

//Contact Page
```
  else if(req.url.toLowerCase() === '/contact'){
    res.statusCode = 200;
      //CSS and HTML code
     res.write(`


    <html>
```

```html
    <head>

        <title>Contact</title>
        <style>
            body {
                font-family: Arial, sans-serif;
                background-color: #f0f0f0;
                color: #333;
                text-align:center;
            }
            h1 {
                color: #4ae118ff;
            }
            p {
                font-size: 16px;
            }
        </style>


    </head>
    <body>
        <h1>Welcome to the Contact Page</h1>
        <p>This is the Contact route of our Node.js server.</p>
    </body>
</html>

`);
```

```
      res.end();

  }
// If anyother page

  else{

    res.statusCode = 404;

    //CSS and HTML code

     res.write(`


    <html>

      <head>


        <title>404 page</title>

        <style>

          body {

            font-family: Arial, sans-serif;

            background-color: #f0f0f0;

            color: #333;

            text-align:center;

          }

          h1 {

            color: #ff1e00ff;

          }

          p {

            font-size: 16px;

          }

        </style>

       </head>

      <body>
```

```
          <h1>404 Page</h1>

          <p>Sorry Page not Found</p>

        </body>

      </html>


      `);

      res.end();



    }




});



//port number

const PORT = 4000;



//server running on port 4000

server.listen(PORT,()=>{

    console.log(`Server is up and running on port ${PORT}` );

})
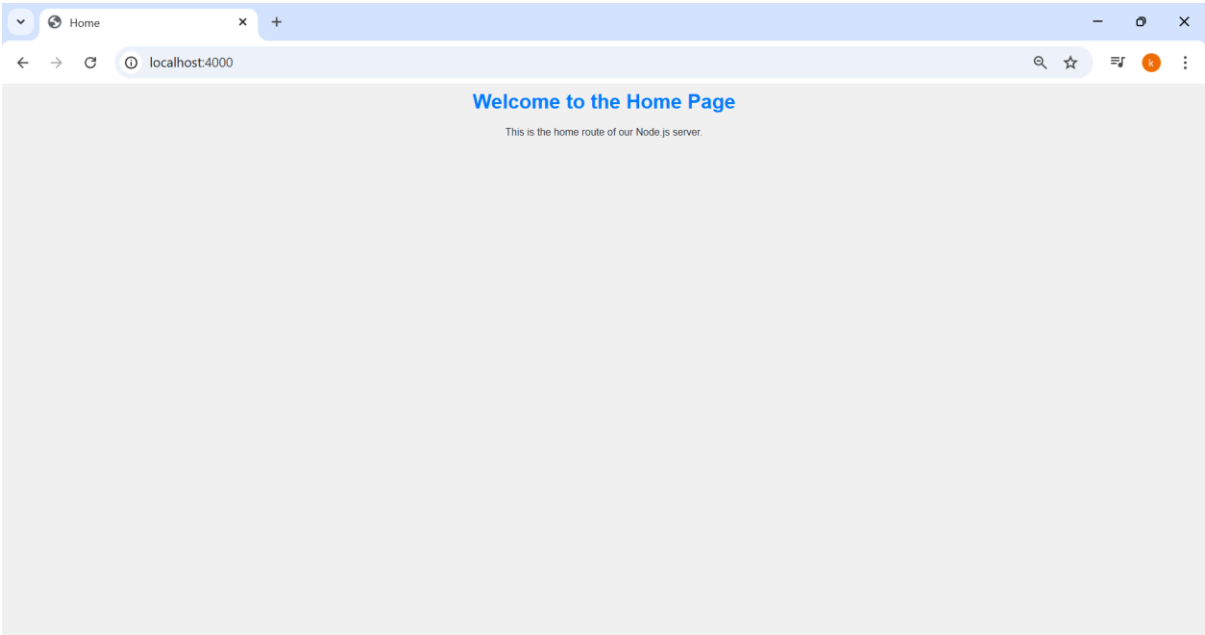```

**//How server works**

**This Node.js server uses the built-in http module to serve different HTML pages based on the URL.**
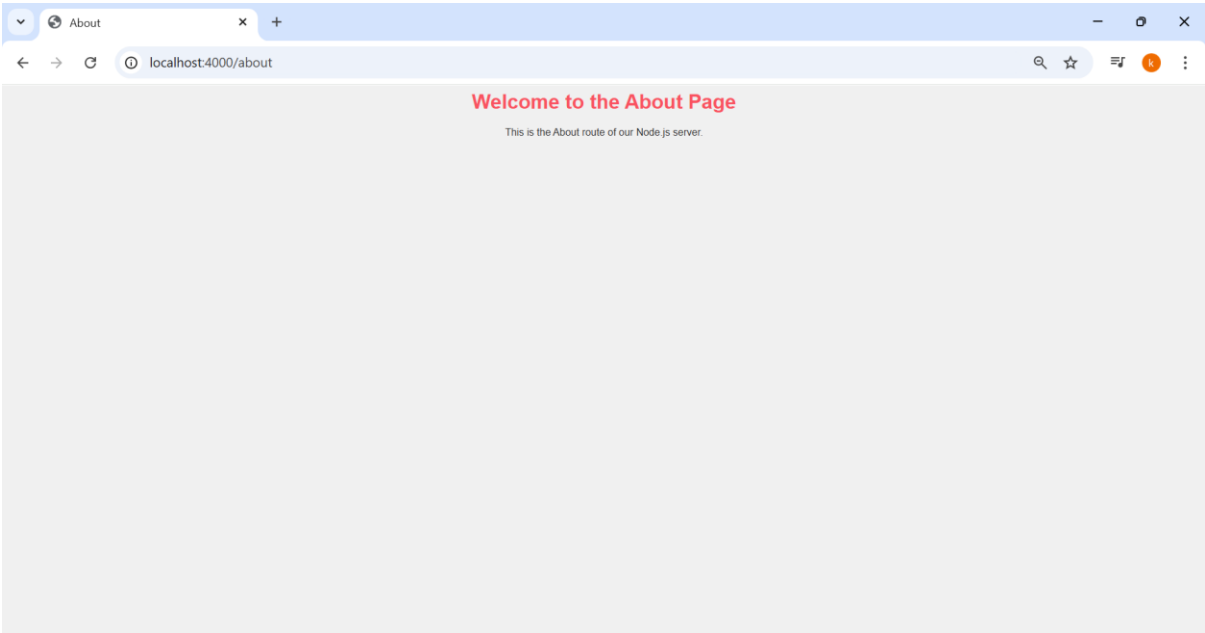
1. **It handles /home, /about, and /contact, returning the right page with CSS styling.**
2. **Unknown URLs show a custom 404 page.**
3. **The server sends appropriate HTTP status codes—200 for valid pages, 404 for missing pages.**
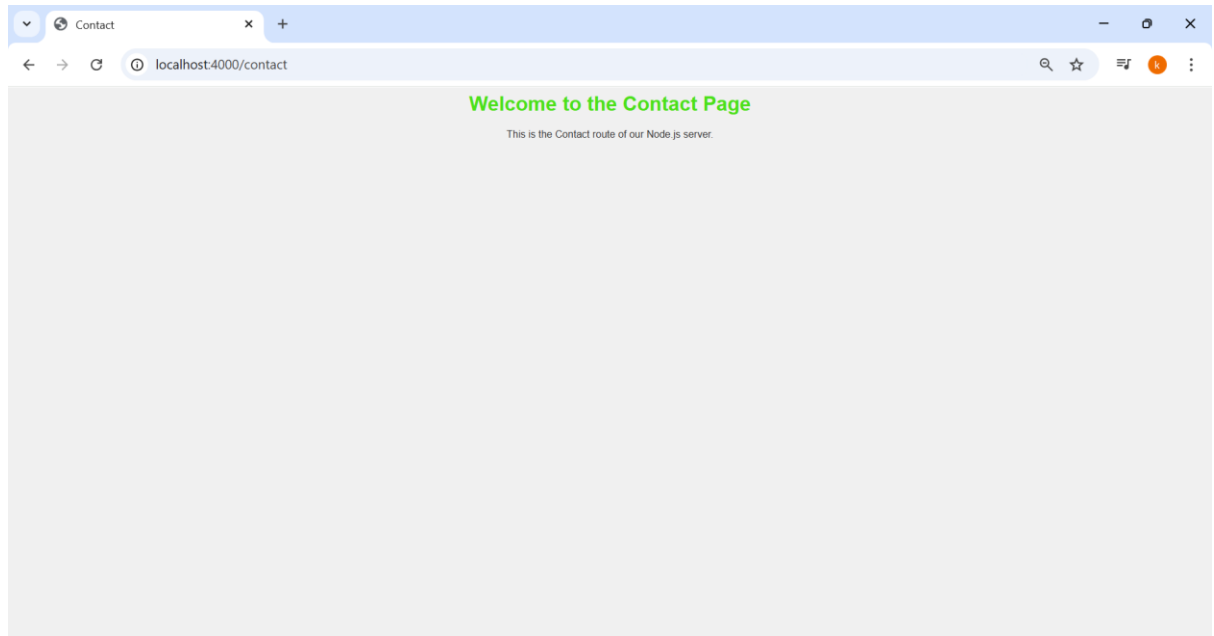4. **You can test it by visiting the routes in a browser like [http://localhost:4000/contact](http://localhost:4000/contact).**

**Demo Images**

**1.Home Page**



**2.About Page**

## 3.Contact Page



## 4.Unknown Page