

Step 1: Set up your environment

1. Install Node.js and npm

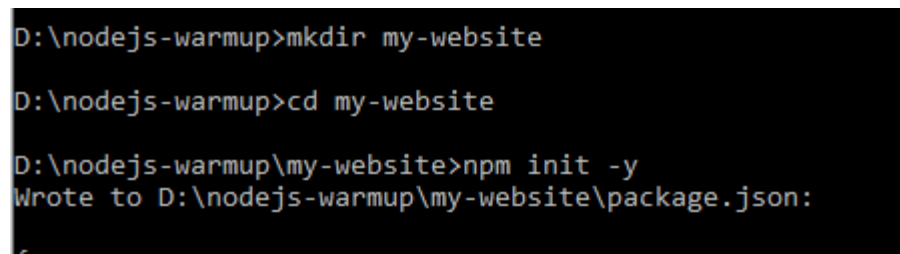
Download from [Node.js official website](https://nodejs.org/en/) and install it.

Check installation:

```
node -v  
npm -v
```

2. Create a project folder

```
mkdir my-website  
cd my-website  
npm init -y
```

A terminal window with a black background and white text. The commands and their outputs are: 'D:\nodejs-warmup>mkdir my-website', 'D:\nodejs-warmup>cd my-website', 'D:\nodejs-warmup\my-website>npm init -y', and 'Wrote to D:\nodejs-warmup\my-website\package.json:'.

```
D:\nodejs-warmup>mkdir my-website  
D:\nodejs-warmup>cd my-website  
D:\nodejs-warmup\my-website>npm init -y  
Wrote to D:\nodejs-warmup\my-website\package.json:
```

This creates a `package.json` file for your project.

3. Install dependencies

We'll use **Express** (popular web framework) and **EJS** (template engine):

```
npm install express ejs
```

As shown below all above steps

```
D:\nodejs-warmup>mkdir my-website

D:\nodejs-warmup>cd my-website

D:\nodejs-warmup\my-website>npm init -y
Wrote to D:\nodejs-warmup\my-website\package.json:

{
  "name": "my-website",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "type": "commonjs"
}
```

Folder Structure

```
my-website/
├── app.js
├── package.json
├── public/
│   └── style.css
└── views/
    ├── index.ejs
    ├── about.ejs
    ├── services.ejs
    ├── contact.ejs
    ├── blog.ejs
    └── faq.ejs
```

Step 2: Create server with Express

Create a file named `app.js`:

```
const express = require('express');
const app = express();
const port = 3000;

// Set EJS as template engine
app.set('view engine', 'ejs');

// Serve static files (CSS, images)
app.use(express.static('public'));

// Routes
app.get('/', (req, res) => res.render('index'));
app.get('/about', (req, res) => res.render('about'));
app.get('/services', (req, res) => res.render('services'));
app.get('/contact', (req, res) => res.render('contact'));
app.get('/blog', (req, res) => res.render('blog'));
app.get('/faq', (req, res) => res.render('faq'));

// Start server
app.listen(port, () => {
  console.log(`Server running at http://localhost:${port}`);
});
```

Step 3: Create page templates

1. Create a folder called `views`.
2. Inside `views`, create files:

```
index.ejs
about.ejs
services.ejs
contact.ejs
blog.ejs
faq.ejs
```

1. app.js – Node.js server

```
const express = require('express');
const app = express();
const port = 3000;

// Set EJS as template engine
app.set('view engine', 'ejs');

// Serve static files
app.use(express.static('public'));

// Routes
app.get('/', (req, res) => res.render('index'));
app.get('/about', (req, res) => res.render('about'));
app.get('/services', (req, res) => res.render('services'));
app.get('/contact', (req, res) => res.render('contact'));
app.get('/blog', (req, res) => res.render('blog'));
app.get('/faq', (req, res) => res.render('faq'));

// Start server
app.listen(port, () => {
  console.log(`Server running at http://localhost:${port}`);
});
```

2. public/style.css – Basic styling

```
body {
  font-family: Arial, sans-serif;
  margin: 20px;
  background-color: #f5f5f5;
}

h1 {
  color: #333;
}

nav a {
  margin: 0 10px;
  text-decoration: none;
  color: #007BFF;
  font-weight: bold;
}

nav a:hover {
  text-decoration: underline;
}

.container {
  background-color: #fff;
}
```

```
padding: 20px;
border-radius: 5px;
}
```

3. views/index.ejs – Home page

```
<!DOCTYPE html>
<html>
<head>
  <title>Home</title>
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/services">Services</a>
    <a href="/blog">Blog</a>
    <a href="/faq">FAQ</a>
    <a href="/contact">Contact</a>
  </nav>

  <div class="container">
    <h1>Welcome to My Website</h1>
    <p>This is the home page of your Node.js website.</p>
  </div>
</body>
</html>
```

4. views/about.ejs – About page

```
<!DOCTYPE html>
<html>
<head>
  <title>About</title>
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/services">Services</a>
    <a href="/blog">Blog</a>
    <a href="/faq">FAQ</a>
    <a href="/contact">Contact</a>
  </nav>

  <div class="container">
    <h1>About Us</h1>
    <p>We are passionate about building modern web applications with Node.js
and Express.</p>
```

```
</div>
</body>
</html>
```

5. views/services.ejs – Services page

```
<!DOCTYPE html>
<html>
<head>
  <title>Services</title>
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/services">Services</a>
    <a href="/blog">Blog</a>
    <a href="/faq">FAQ</a>
    <a href="/contact">Contact</a>
  </nav>

  <div class="container">
    <h1>Our Services</h1>
    <ul>
      <li>Web Development</li>
      <li>API Development</li>
      <li>UI/UX Design</li>
      <li>Maintenance & Support</li>
    </ul>
  </div>
</body>
</html>
```

6. views/contact.ejs – Contact page

```
<!DOCTYPE html>
<html>
<head>
  <title>Contact</title>
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/services">Services</a>
    <a href="/blog">Blog</a>
    <a href="/faq">FAQ</a>
    <a href="/contact">Contact</a>
  </nav>

  <div class="container">
    <h1>Contact Us</h1>
    <form>
      <label>Name:</label><br>
      <input type="text" name="name"><br><br>
      <label>Email:</label><br>
      <input type="email" name="email"><br><br>
      <label>Message:</label><br>
      <textarea name="message"></textarea><br><br>
      <button type="submit">Send</button>
    </form>
  </div>
</body>
</html>
```

7. views/blog.ejs – Blog page

```
<!DOCTYPE html>
<html>
<head>
  <title>Blog</title>
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/services">Services</a>
    <a href="/blog">Blog</a>
    <a href="/faq">FAQ</a>
    <a href="/contact">Contact</a>
  </nav>

  <div class="container">
    <h1>Blog</h1>
    <p>Check out our latest posts:</p>
    <ul>
      <li>Getting Started with Node.js</li>
      <li>Top 10 Express Tips</li>
      <li>How to Deploy Your Website</li>
    </ul>
  </div>
</body>
</html>
```

8. views/faq.ejs – FAQ page

```
<!DOCTYPE html>
<html>
<head>
  <title>FAQ</title>
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <nav>
    <a href="/">Home</a>
    <a href="/about">About</a>
    <a href="/services">Services</a>
    <a href="/blog">Blog</a>
    <a href="/faq">FAQ</a>
    <a href="/contact">Contact</a>
  </nav>

  <div class="container">
    <h1>Frequently Asked Questions</h1>
    <h3>Q: What is Node.js?</h3>
    <p>A: Node.js is a JavaScript runtime built on Chrome's V8 engine for
building server-side applications.</p>

    <h3>Q: What is Express?</h3>
    <p>A: Express is a fast, minimal, and flexible Node.js web framework.</p>
  </div>
</body>
</html>
```

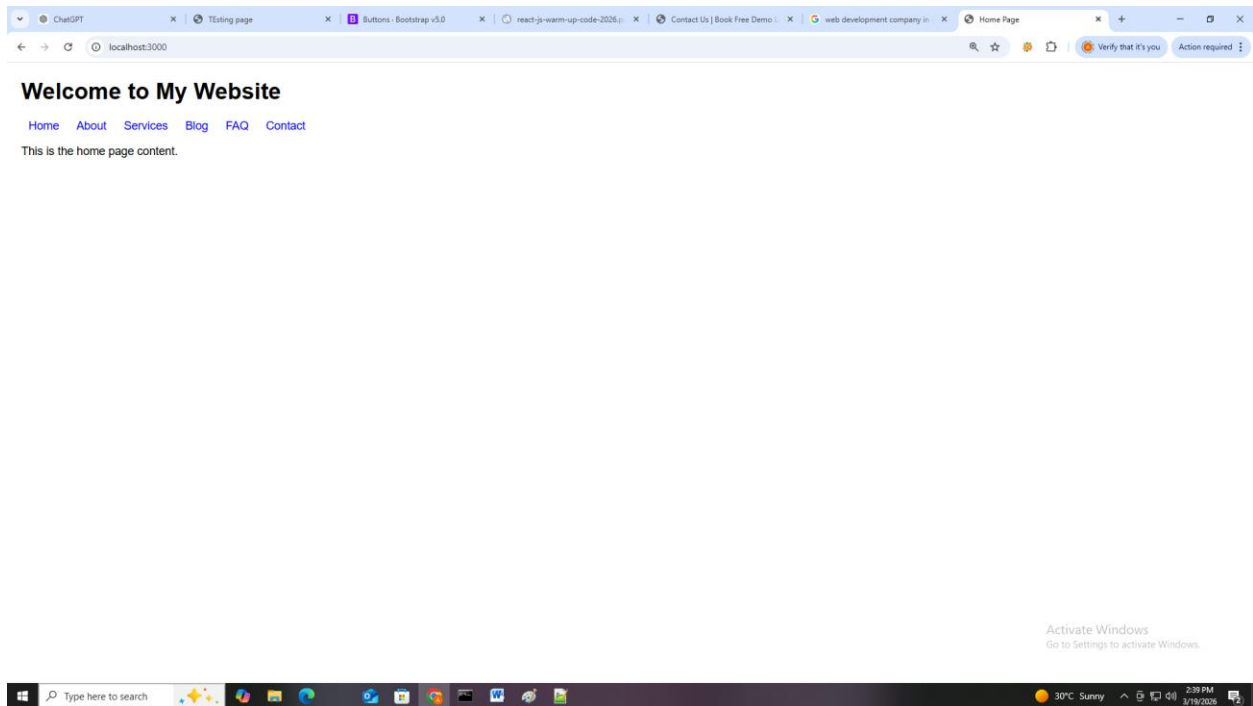
9. How to run

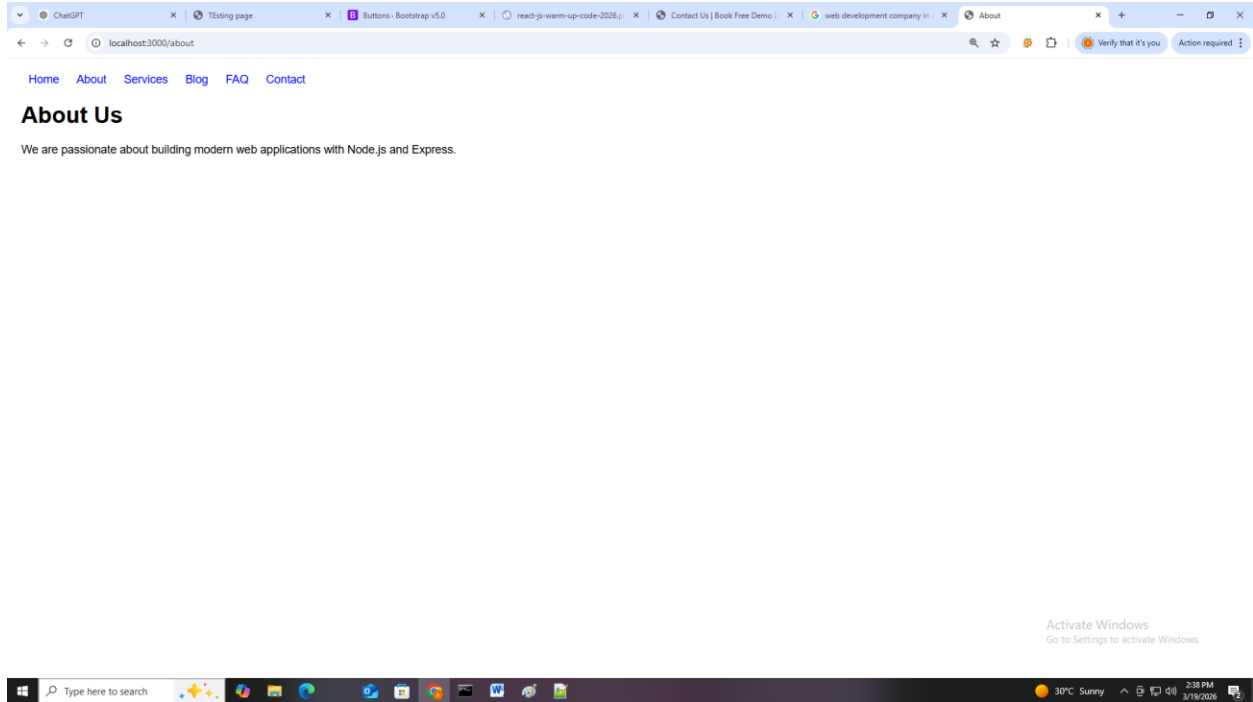
```
npm install express ejs
node app.js
```

Visit <http://localhost:3000> and navigate through **all 6 pages**.

OutPut :-

<http://localhost:3000/>





For services page :-

