

# EJS (Embedded JavaScript Templates)

HTML + small pieces of JavaScript to display dynamic data

EJS (Embedded JavaScript Templates) is a server-side templating engine for Express that lets you generate HTML using JavaScript.

# Why EJS?

Express does not render HTML by itself.

EJS provides:

- HTML templates
- Variables
- Loops & conditionals
- Partials (reusable layouts)

Similar to:

- Blade (PHP/Laravel)
- Jinja (Python/Flask)

## Express + EJS Flow

Browser → Express Route → EJS Template → Final HTML

Example:

```
app.get('/hello', (req, res) => {  
  res.render('hello', { name: 'Sam' });  
});
```

Express renders `views/hello.ejs`, and replaces name with 'Sam'.

## EJS Example Template

We can use JavaScript expressions in the EJS Template in `<%=`

`... = > .`

`hello.ejs :`

```
<h1>Hello <%= name %>!</h1>
```

Renders:

```
<h1>Hello Sam!</h1>
```

## Insert variable

```
<p><%= user.email %></p>
```

## Loop

```
<% posts.forEach(p => { %>  
  <li><%= p.title %></li>  
<% }) %>
```

## If

```
<% if(isAdmin){ %>  
  <button>Admin</button>  
<% } %>
```

## Enabling EJS in Express

```
app.set('view engine', 'ejs');
```

Express automatically uses `views/` as the folder.

## Example: index\_ejs.js

```
app.get('/list', function(req, resp){
  runListGet(req, resp);
});

async function runListGet(req, resp) {
  try {
    const posts = db.collection(POSTS);
    const res = await posts.find().toArray();
    const query = { posts: res };
    resp.render('list.ejs', query)
  } catch (e) {
    console.error(e);
  }
}
```