**TEMPLATE ENGINE**

A template engine facilitates you to use static template files in your applications. At runtime, it replaces variables in a template file with actual values, and transforms the template into an HTML file sent to the client. So, this approach is preferred to design HTML pages easily.

* Pug (formerly known as jade)
* mustache
* dust
* atpl
* eco
* ect
* ejs and many more

**Using template engines with Express**

Template engine makes you able to use static template files in your application. To render template files, you have to set the following application setting properties:

* **Views:** It specifies a directory where the template files are located.

**For example:** app.set('views', './views').

* **view engine:** It specifies the template engine that you use. For example, to use the Pug template engine: app.set('view engine', 'pug').

Let's take a template engine pug (formerly known as jade)

## Pug Template Engine

1. **npm install pug --save**
2. instead of require(“pug”): include the following lines.
3. app.set('views',"./views") // views directory .pug
4. app.set('view engine', 'pug');
5. inside the route :

 res.render('index.pug');

Pug template must be written inside .pug file and all .pug files must be put inside views folder(create) in the root folder of Node.js application.

**Input to pug engine:**

doctype html

html

   head

       title A simple pug example

   body

      h1 Hello class

      p All is Well

**Output rendered by Pug engine:**

<!DOCTYPE html**>**

**<html>**

**<head>**

**<title>**A simple pug example**</title>**

**</head>**

**<body>**

**<h1>** Hello class   **</h1>**

**<p>** All is Well **</p>**

**</body>**

**</html>**