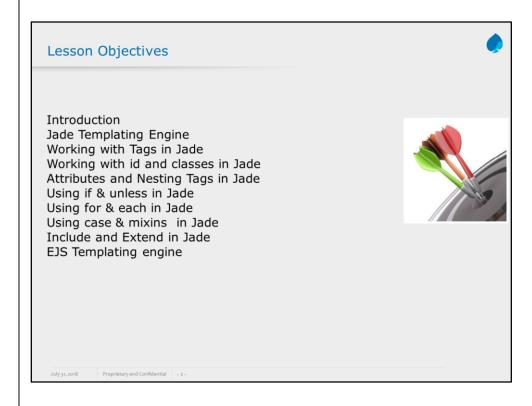
Instructor Notes:



Instructor Notes:



Instructor Notes:

Add instructor notes here.

2.1 : Templating Engines Introduction



A template engine is a library or a framework that uses some rules/languages to interpret data and render views.

➤Templating solves the problem by allowing you to write in the target language, while at the same time providing the ability to insert dynamic data.

For those of you familiar with the model-view-controller concept, templates belong to the view.

➤In the Node world, we have many templating engines to choose. Here are some criteria to consider to choose a template engine :

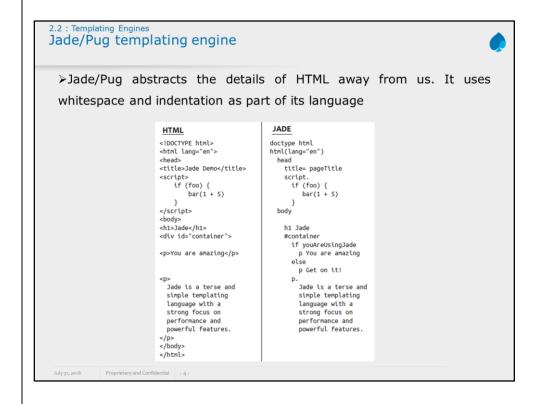
- Performance : Templating engine to be as fast as possible
- Client, server, or both: Most of the templating engines are available on both the server and client sides which makes our coding get well acquainted with the template engine
- Abstraction : Abstracting the details of HTML away from you
- >Jade/PUG, ejs and handlebars are some of the popular templating engines.

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Having JavaScript to emit HTML will create the following problems:

- We have to constantly worry about what characters need to be escaped, and how to do that.
- Using JavaScript to generate HTML that itself includes will be tough.
- Syntax highlighting and other handy language-specific features of editor will be lost.
- It can be much harder to spot malformed HTML.
- It's hard to visually parse.
- It can make it harder for other people to understand code.

Instructor Notes:



Instructor Notes:



Instructor Notes:



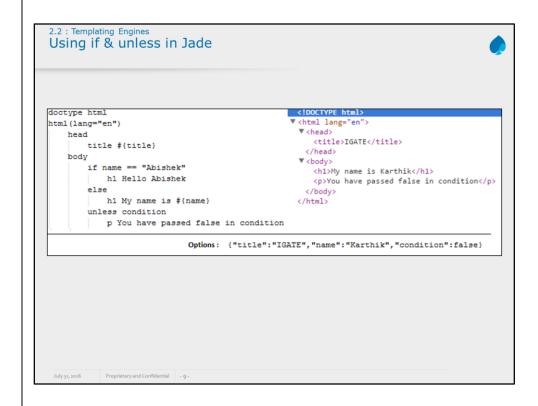
Instructor Notes:



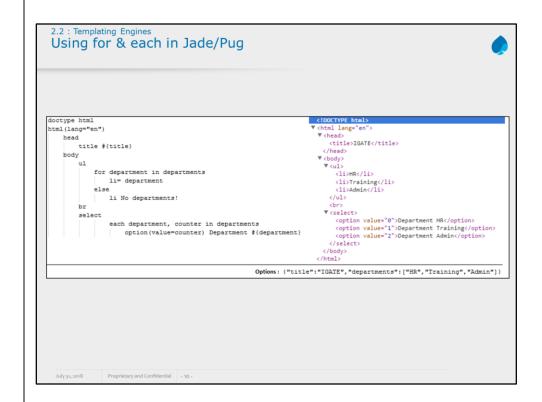
Instructor Notes:



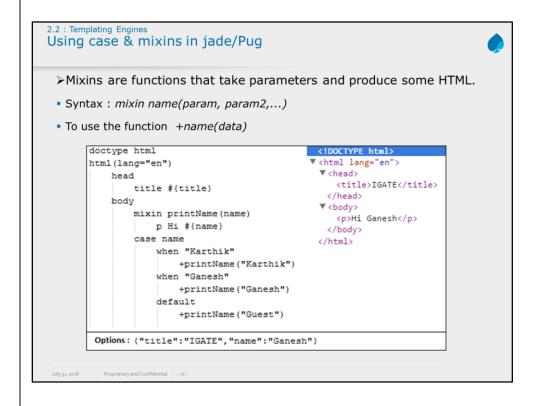
Instructor Notes:



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Add instructor notes here.

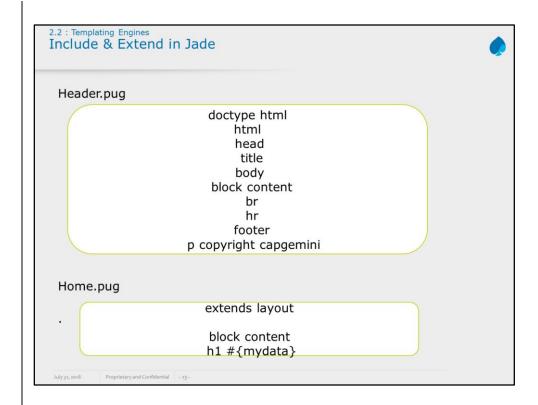
2.2 : Templating Engines Include & Extend in Jade/Pug



- >include & extend are the ways to split logic into a separate file for the purpose of reusing it across multiple files
- *>include* is a top-to-bottom approach. i.e. The file that includes is processed then the included file is processed.
- >To include a Jade/pug template use include /path/filename
- >extend is a bottom-to-top approach (opposite to include).
- > It works with extend filename and block blockname statements.

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Instructor Notes:



Instructor Notes:

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2.2 : Templating Engines EJS Templating engine



>EJS simply embeds JavaScript into the templates with a few simple tags to define how the JavaScript needs to be interpreted.

>EJS combines data and a template to produce HTML.

 \gt JavaScript code gets executed inside<% %> and any code placed inside the tag <%= %> gets added with HTML.

```
const express=require('express');
  const path=require('path');
    //home route
app.get('/home',function(req,res){
    res.render('home',{
    mydata:'This is Capgemini L&D'
        });
    });
```

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Add the notes here.