Introduction to Express:

- Express is a web application framework that provides a set of features to develop web and mobile application.

- $ npm install express --save : install the express framework globally.

Ex:- var express = require (express);
// node js gives the module and return express.

var app = express (); //node to access module

now we file a fun on express then have access on app var all of the different msg on express.

app. listen (3000); // listening to port.

app. get ('/', function (req, res) {
    res. send ('this is the homepage');
});

so, here express listen to '/', then fire the function then on response object is saying 'this is homepage'. and sending a string

→ HTTP Methods :- gks all kind of request we made.

- GET :- when we type url uro address paue.

- POST :- generally made when we post some data to server from webform.

- DELETE :-

- PUT :-

→ Responding to request :

- GET - app.get ('route', fn).

- POST - app.post ('route', fn)

- DELETE - app.delete ('route', fn)

Express route params:

→ Route parameter

```
app.get ('/profile/:id', function (req, res) {
res.send ('you requested ' + req.params.id);
});
```

- make get request method which respond to particular request.

- then we want to profile se id of profile.

- then fire a function which take req obj and res obj.

- then we access id that user requested on req.

- then send some text to user then concented the id by req. access id by req.params.id

- route parameters: are variables derived from named sections of the URL.

- express captures the value in the named section and stores it in the req.params property.

- we can define multiple parameter in a URL.

Template Engines:

- Template engine helps us to create an HTML template with minimal code.

- TE also inject data into HTML template at client side and produce the final HTML.

- There various TE for node js which are jade, vash, EJS, Dust.js, atpl, Nunjucks.

- Example :-

- we can send html file by res.sendfile(
  --dirname + '/index.html');

- given directory of the current file and concat with the file name.