Routing with Express.

Express: It's a NodeJs framework/package/module for easily building web apps and APIs.

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Get started with express

- To make it available in our program
- *npm install express –save*

We require express in our program/source code/ file

Basic routing with node-express

```javascript
const express = require('express'),
server = express();
server.set('port', process.env.PORT || 3000);
//Basic routes
server.get('/', (request,response)=>{
response.send('Home page');
});
server.get('/about',(request,response)=>{
response.send('About page');
});
//Express error handling middleware
server.use((request,response)=>{
response.type('text/plain');
response.status(505);
response.send('Error page');
});
//Binding to a port
server.listen(3000, ()=>{
console.log('Express server started at port 3000');
});
```

Serving html pages

- First method

```
app.get('/', (req, res) => { res.sendFile('./landing-page/home.html', {
root: __dirname }); });


• app.get('/about', (req, res) => {
 res.sendFile('./landing-page/about.html', {
 root: __dirname }); });


app.get('/contact', (req, res) => { res.sendFile('./landing-
page/contact.html', { root: __dirname }); });
```

Method two-serving html files with nodejs

```javascript
const express = require('express');

const app = express();
app.use(express.static('./public'));

app.listen(3000);
```

- Then load any html file in the public folder

Method 3 serving html

```javascript
const express = require('express');
const app = express();
const path = require('path');
const router = express.Router();

router.get('/',function(req,res){
  res.sendFile(path.join(__dirname+'/index.html'));
  //__dirname : It will resolve to your project folder.
});

router.get('/about',function(req,res){
  res.sendFile(path.join(__dirname+'/about.html'));
});

router.get('/sitemap',function(req,res){
  res.sendFile(path.join(__dirname+'/sitemap.html'));
});

//add the router
app.use('/', router);
app.listen(process.env.port || 3000);

console.log('Running at Port 3000');
```