

## expressjs

- package developed in JS on top of nodejs to provide web server implementation
- to install / download the express

```
npm init  
  
npm install express --save
```

- **npm**
  - node package manager
  - a utility to manage the packages developed for nodejs
  - can be used for
    - installing packages
    - upgrading packages
    - updating packages
    - uninstalling packages
  - arguments
    - init: used to initialize the package.json
    - install: used to install a package

## a basic express application

```
// require the express package  
const express = require('express')  
  
// create a server instance  
const app = express()  
  
// listen on port 3000 (start the server)  
app.listen(3000, '0.0.0.0', () => {  
  console.log('server started on port 3000')  
})
```

## route

- mapping of http method, url and handler (function)
- e.g.

```
// this route will be invoked when the request
// contains http method GET and url as '/'
app.get('/', (request, response) => {
  // code here to process the request
  response.end()
})

// this route will be invoked when the request
// contains http method POST and url as '/'
app.post('/', (request, response) => {
  // code here to process the request
  response.end()
})
```