**Pre-requisite:**

1. Node.js

**Run a project:**

1. Go into the directory and open CMD
2. npm i -g @nestjs/cli
3. nest new [project-name]
4. cd [project-name]
5. npm run start
6. npm run start:dev [watch mode]

**Run a project [alternative way]:**

1. https://github.com/nestjs/typescript-starter
2. download or clone the repo
3. open the directory and CMD here
4. npm install
5. npm run start
6. npm run start:dev [watch mode]

**Address:**

1. localhost:3000
2. localhost:[listening\_port]/[controller\_name]/[path]/[query or parameter if any]

**Project Directory:**

|  |  |
| --- | --- |
| **File Name** | **Working** |
| app.controller.spec.ts | this file is for testing |
| app.controller.ts | route handler file |
| app.module.ts | register control and service |
| app.service.ts | it contain process of router |

**About Nest:**

1. @ means decorator **→** it add metadata to its immediate class or function

Example: @Controller **→** Controller Decorator , @Get **→** Get Decorator

1. application flow **→** controller **→** service
2. project initial → main **→** module **→** bootstrap main function **→** create appModule **→** listen to a PORT
3. all request first comes in controller

**Library and Uses:**

|  |  |
| --- | --- |
| **Library Name** | **Working** |
| Param | When need to pass Request parameter  [multiple not possible] |
| Query | When need to pass Query parameter  [multiple possible] |