

Mean installtion commands.

- Give This command on terminal one by one on .And Check Versions (This is only for Linux Platform)

1. sudo apt-get update

2. sudo apt-get install nodejs

---> node -v //v12.7.0

3. sudo apt-get install npm

---> npm -v //6.14.6

4. sudo npm cache clean -f

5. sudo npm install -g n

6. sudo n latest

7. sudo npm install -g @angular/cli ---> ng --version //10.0.2

8. sudo npm install -g typescript

---> tsc -v //3.7.4

9. sudo npm install -g nodemon

---> nodemon -v //2.0.2

module installation

```
sudo npm init
```

```
sudo npm install express mysql mysql2 --save
```

for global access to git ,on username and password needed after 1st time

```
git config --global credential.helper store
```

to check if server is listening/working on a port n

```
sudo lsof -i :3000 ;  
3000 = port no
```

```
//to stop it use
```

```
kill PID
```

pid= process id (number) e.g 12806

setup express server

```
// step 1: require express and mysql
const express = require('express')
const mysql = require('mysql')

// step 2: create express application
const app = express()

// step 3: ROUTE (mapping of http GET, url and handler (function))
// GET /
const connection = mysql.createConnection({
  host: '127.0.0.1',
  user: 'root',
  password: 'root',
  database: 'mydb'
})
connection.connect();

app.get('/', (request, response) => {
  console.log('GET / received')
  var queryText = "select * from user";

  connection.query(queryText, (err, result) => {
    if(err == null)
    {
      response.send(JSON.stringify(result));
    }
    else{
      response.send(JSON.stringify(err));
    }
  });
})

// step 4: listen on port 3000
app.listen(3000, '0.0.0.0', () => {
  console.log('server started on port 3000')
})
```

Command for downloading node_module

```
npm install
```

Command to create create gitignore file

```
touch .gitignore
```

Site to create gitignore file

```
https://toptal.com/developers/gitignore
```

git command

```
//Command to uplaod the data  
git add .  
  
git commit -m "Title for logical commits"  
  
git push
```

sample code of I/O single line :

```
process.stdin.resume();  
process.stdin.setEncoding("utf-8");  
var stdin_input = "";  
  
process.stdin.on("data", function(input) {  
    stdin_input += input;  
    //reading input from STDIN  
  
});  
  
process.stdin.on("end",function()  
{  
    main(stdin_input);  
});  
  
function function1(input)  
{  
    var num = []  
    num = input.split("\n")  
    process.stdout.write(`${num[0]}*2`)  
    process.stdout.write("\n")  
    process.stdout.write(`${num[1]}`)
```

```
//process.stdout.write(" "+num[0]*2+ "\n"+num[1]);  
}  
  
function main(input)  
{  
    function1(input);  
}
```

typescript

1. compatible code

```
tsc --target es5  page3.ts;node page3.js  
  
// set compile for es5 and higher
```

If you don't want to use sudo everytime then change permission of directory which contains your angular apps.

- run below command

```
sudo chmod a+rxw "Path of directoy which contain angular apps"
```

- if it doesnt work use

```
sudo chown -R username  /home/sunbeam/App1/my-app
```

to skip git init

```
--skipGit=true|false    ;  
or  
-g=false;  
When true, does not initialize a git repository.  
  
Default: false  
  
Aliases: -g
```

The prefix to apply to generated selectors for the initial project.

```
--prefix=prefix  
Default: app  
  
Aliases: -p
```