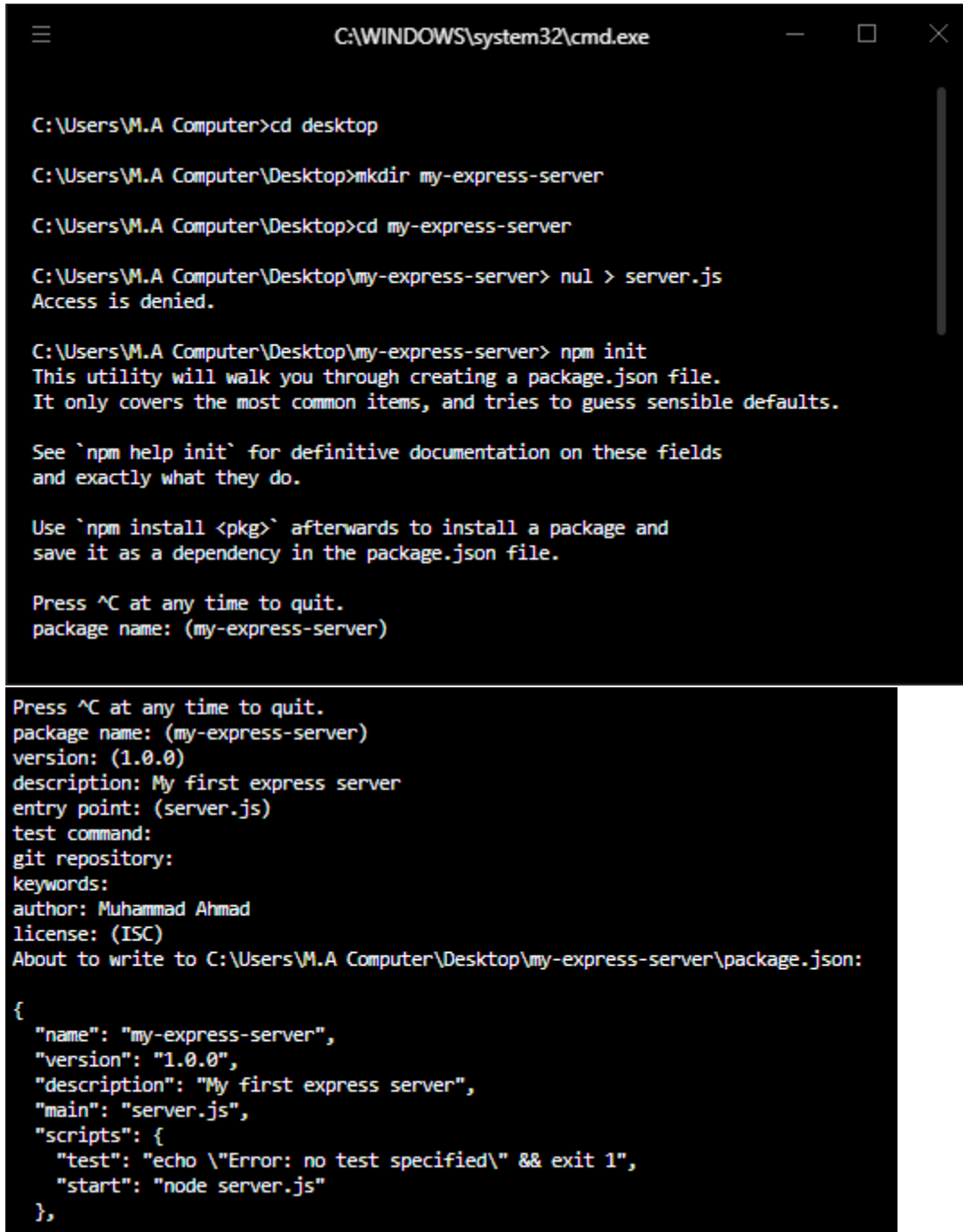# *Creating Our First Server with Express*

Steps:

1. Create new directory (mkdir my-express-server)
2. Go to this directory
3. Create new file server.js
4. Initialize it with npm (npm init)

```
                    C:\WINDOWS\system32\cmd.exe            —    □    ✕


C:\Users\M.A Computer>cd desktop

C:\Users\M.A Computer\Desktop>mkdir my-express-server

C:\Users\M.A Computer\Desktop>cd my-express-server

C:\Users\M.A Computer\Desktop\my-express-server> nul > server.js
Access is denied.

C:\Users\M.A Computer\Desktop\my-express-server> npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (my-express-server)
```

```
Press ^C at any time to quit.
package name: (my-express-server)
version: (1.0.0)
description: My first express server
entry point: (server.js)
test command:
git repository:
keywords:
author: Muhammad Ahmad
license: (ISC)
About to write to C:\Users\M.A Computer\Desktop\my-express-server\package.json:

{
  "name": "my-express-server",
  "version": "1.0.0",
  "description": "My first express server",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node server.js"
  },
```

```
{
  "name": "my-express-server",
  "version": "1.0.0",
  "description": "My first express server",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node server.js"
  },
  "author": "Muhammad Ahmad",
  "license": "ISC"
}


Is this OK? (yes)

C:\Users\M.A Computer\Desktop\my-express-server>
```

```
C:\Users\M.A Computer\Desktop\my-express-server> Atom .
```
// To open folder in atom (atom . or Atom .)

Install Express:

https://expressjs.com/en/starter/installing.html

npm install express –save   //--save add express into package.json

npm install express

https://expressjs.com/en/starter/hello-world.html //Hello World example

Stop the server:

Press ctrl+c

Search **localhost:3000**   //3000 is port size of localhost

Message will be

Cannot GET/

This means when server with 3000 port cannot get anything back.
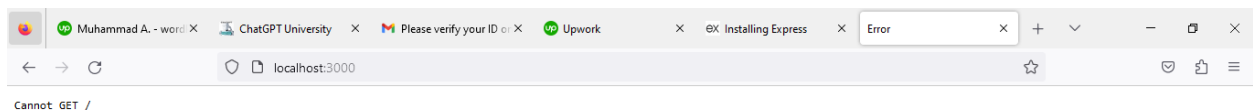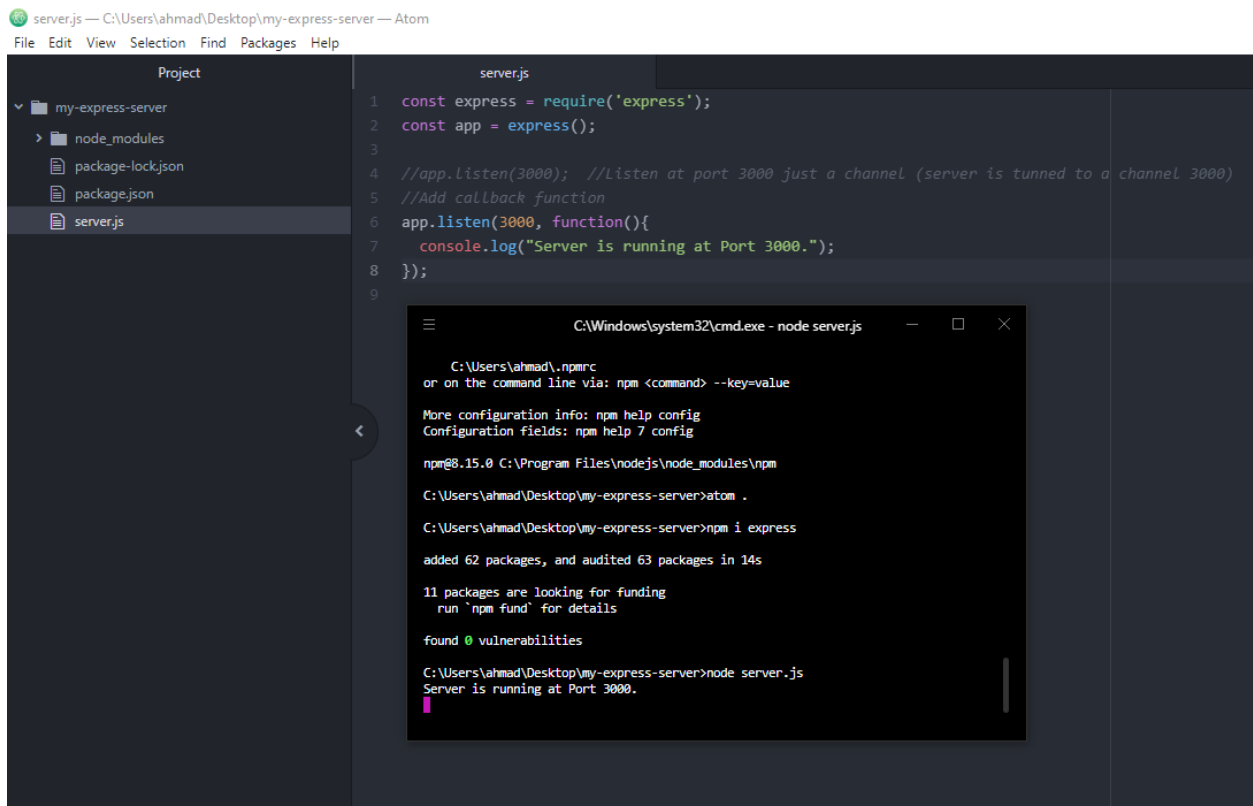
```javascript
const express = require('express');
const app = express();


//app.listen(3000);  //Listen at port 3000 just a channel (server is tunned to a channel 3000)
//Add callback function
app.listen(3000, function(){
  console.log("Server is running at Port 3000.");
});
```


Now change the code to respond the request when server listen the browser request.