

# POSTMAN

## API localhost setup

## Section#1-Environment setup



### ➤ Step#1.1: checking node.js version and installation

a) Open “command prompt” for Windows-OS or open “**termination**” for MacOS

```
node -v or node --version
```

```
npm -v
```

b) If system display “node.js not found” or “unknown node.js” then go to website:

<https://nodejs.org/en/>

### ➤ Step#1.2: install JSON-server with command line

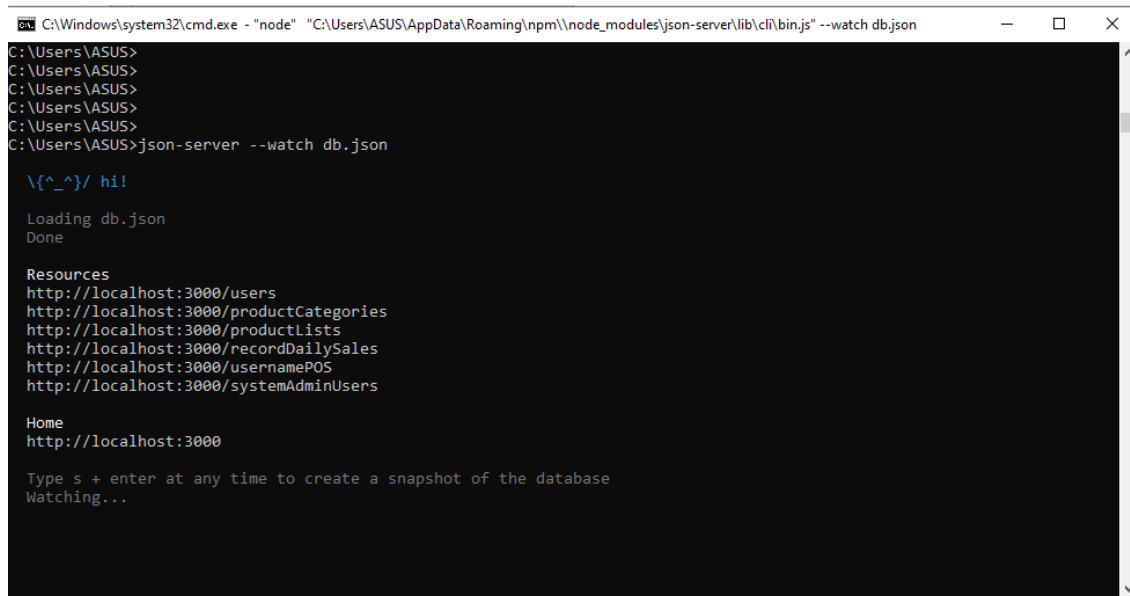
-Once finished node.js installation, then you have to install json-server with unix-command via command prompt or termination

```
npm install -g json-server
```

➤ Step#1.3: start JSON-server and checking URL localhost:3000

```
json-server --watch db.json
```

a) system automatically display as figure below:



```
C:\Windows\system32\cmd.exe - "node" "C:\Users\ASUS\AppData\Roaming\npm\node_modules\json-server\lib\cli\bin.js" --watch db.json
C:\Users\ASUS>
C:\Users\ASUS>
C:\Users\ASUS>
C:\Users\ASUS>
C:\Users\ASUS>
C:\Users\ASUS>json-server --watch db.json

\{^_^}/ hi!

Loading db.json
Done

Resources
http://localhost:3000/users
http://localhost:3000/productCategories
http://localhost:3000/productLists
http://localhost:3000/recordDailySales
http://localhost:3000/usernamePOS
http://localhost:3000/systemAdminUsers

Home
http://localhost:3000

Type s + enter at any time to create a snapshot of the database
Watching...
```

b) go to web browser which available on your device and test access URL localhost

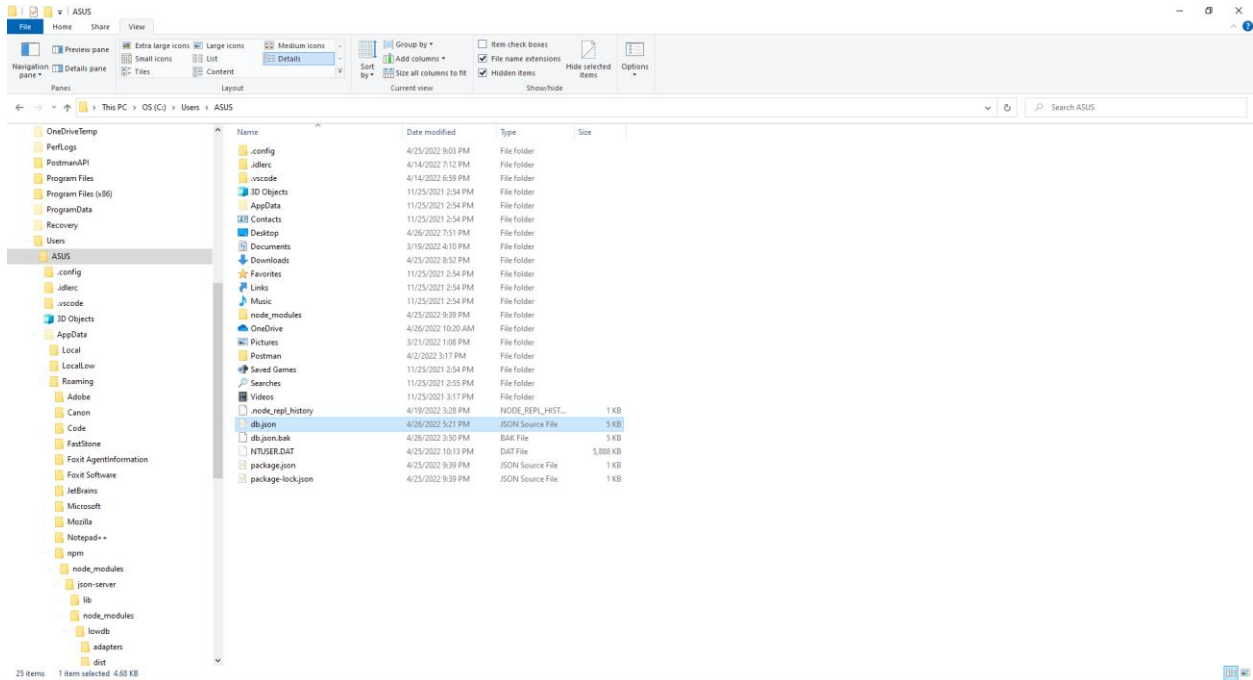
<http://localhost:3000>

**\*Remark:** the default resources provided 3 resources that display on locahost's webpage but you can edit in "db.json" file later.

➤ Step#1.4: checking db.json location path on your devices(Windows/Mac)

a) C:\User\Administrator (or your Administrator's name)

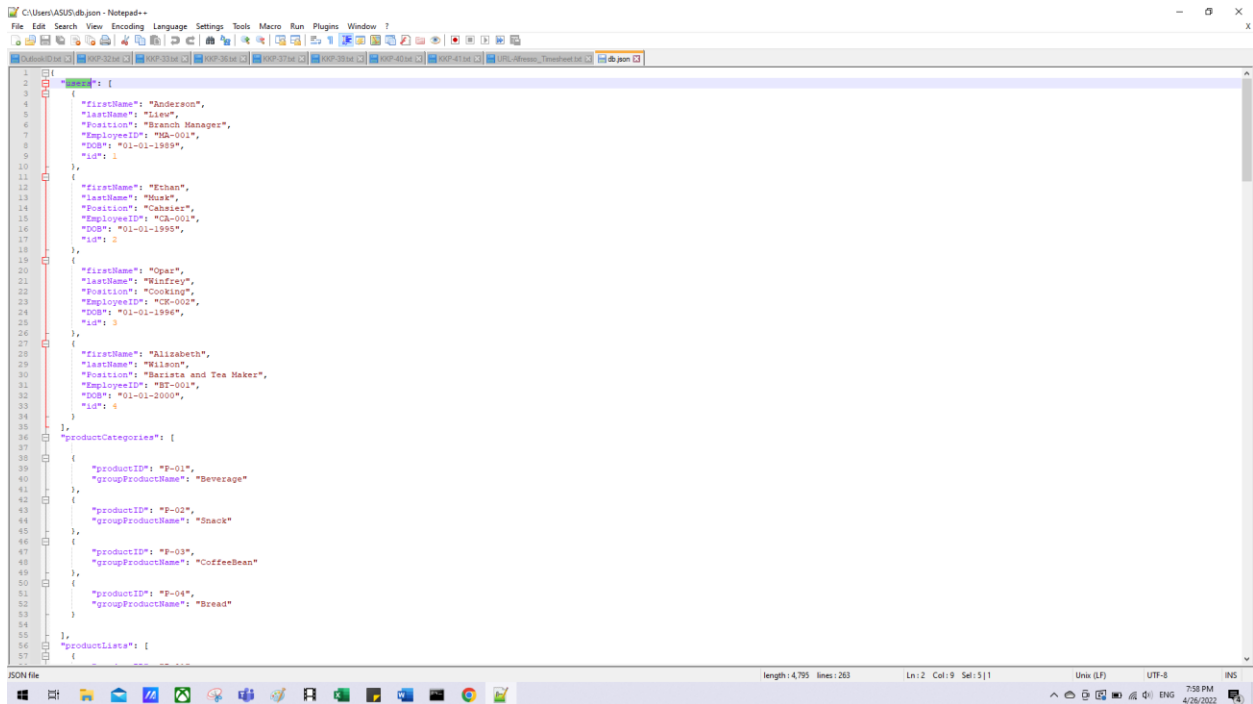
b) open "db.json" with text-editor tool



➤ **Step#1.5: create sample data with JSON format in db.json**

a) (Option#1) edit “db.json” file with text editor tool (Notepad, Notepad++, Visual Studio Code .,etc)

b) (Option#2) Or update “db.json” file via POSTMAN with URL: <http://localhost:3000>



```
1 {
2   "employees": [
3     {
4       "firstName": "Anderson",
5       "lastName": "Liew",
6       "position": "Branch Manager",
7       "employeeID": "MS-001",
8       "DOB": "01-01-1999",
9       "id": 1
10    },
11    {
12      "firstName": "Ethan",
13      "lastName": "Huck",
14      "position": "Cahasia",
15      "employeeID": "CA-001",
16      "DOB": "01-01-1999",
17      "id": 2
18    },
19    {
20      "firstName": "Omer",
21      "lastName": "Winfrey",
22      "position": "Cooking",
23      "employeeID": "CK-001",
24      "DOB": "01-01-1994",
25      "id": 3
26    },
27    {
28      "firstName": "Alizabeth",
29      "lastName": "Wilson",
30      "position": "Barista and Tea Maker",
31      "employeeID": "BT-001",
32      "DOB": "01-01-2000",
33      "id": 4
34    }
35  ],
36  "productCategories": [
37    {
38      "productID": "P-01",
39      "groupProductName": "Beverage"
40    },
41    {
42      "productID": "P-02",
43      "groupProductName": "Snack"
44    },
45    {
46      "productID": "P-03",
47      "groupProductName": "CoffeeBean"
48    },
49    {
50      "productID": "P-04",
51      "groupProductName": "Bread"
52    }
53  ],
54  "productList": [
55  ]
56 }
57
```

**\*Remark:**

1.JSON syntax: { "KEY" : "VALUE" }

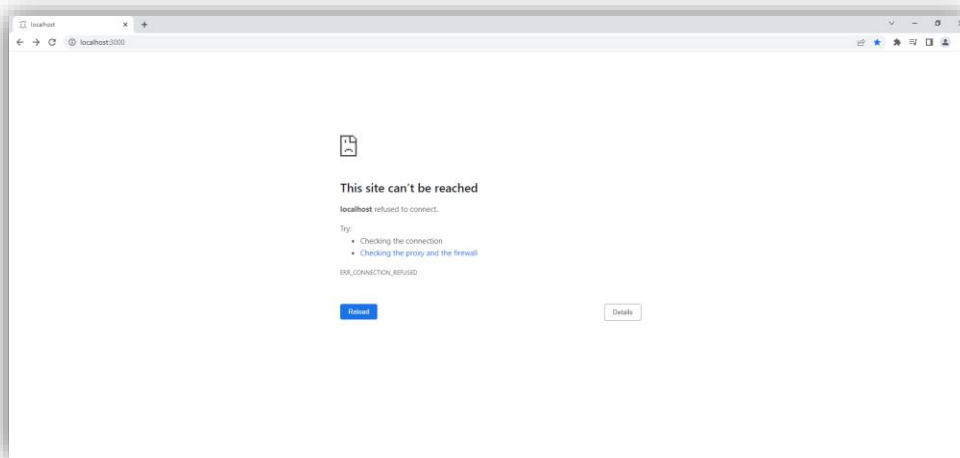
2.Array-JSON syntax :

```
[ { "KEY#1": "VALUE#1", "KEY#2": "VALUE#2"},
  { "KEY#1":VALUE#1, KEY#2:VALUE#2, KEY#3:VALUE#3, ...} ]
```

3.To verify JSON syntax online on website: <https://jsonformatter.org/>

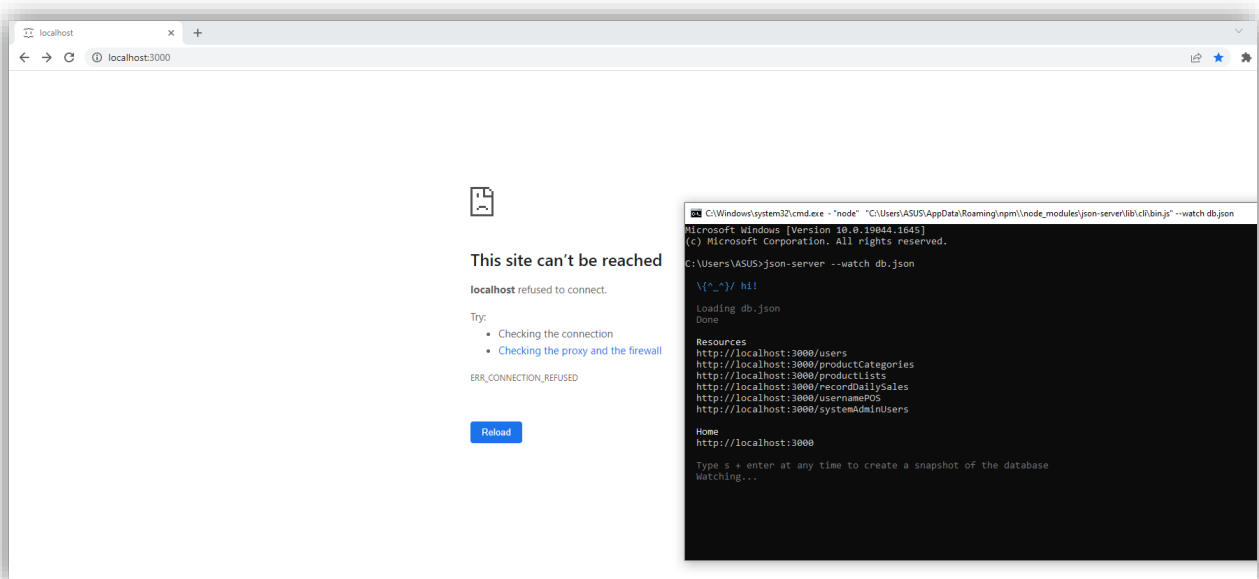
## Section#2-Error message solution (if any):

### 2.1 proxy server problem



- Step#1: re-run command to start json-server

`json-server --watch db.json`



- **Step#2:** Open web browser and refresh URL on webpage <http://localhost:3000>

