

J S O N - D A T A B A S E

## What is JSON databases?

JSON (JavaScript Object Notation) database is a document-type database. Ideal for storing semi-structured data. It is much more flexible as compare to column and row format, which is fixed and expensive when it comes to implementing even small schema changes.

## What is semi-structured data?

Semi-structured data is a type of data that is not purely structured, but also not completely unstructured. It contains some level of organization or structure, but does not conform to a data model.

## What is json-server?

Json-server is use in front-end development to achieve rapid development, as if you have json document it will automatically generate several end-points as mentioned below.

For time while imagine you have User data inside one json document. Then the end-points are generated as below.

- 1. GET:-user
- 2. GET:-user/:id
- 3. POST:- user
- 4. PUT:- user/:id
- 5. DELETE:- user:/id

Using these endpoints we can perform complete CRUD operation in angular.

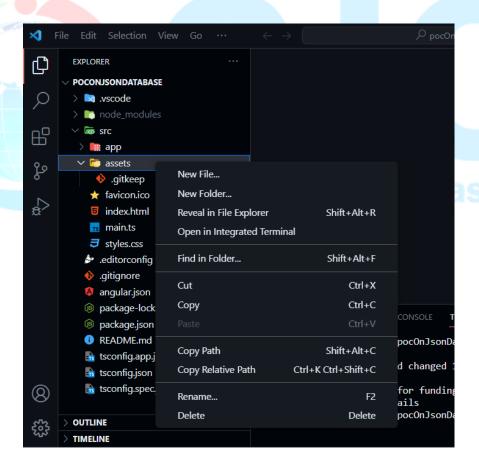


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- **❖** How to install JSON server in angular application?
  - Install json-server in order to run and communicate to JSON databases using command: npm i json-server -g



Right click on src/accets directory to create JOSN Document.





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3. Choose 'New File...' option and name the file as db.json



4. Add employee details in db.json in json format as given below.

5. Open new terminal and change the terminal directory to src/accets as given bellow.





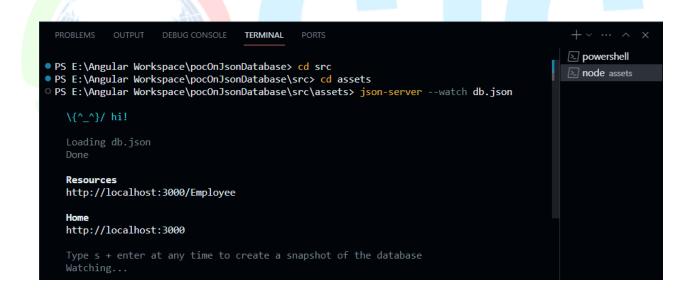
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6. Now run json-server using command: json-server --watch db.json



7. After pressed Enter button you can see, json server has been compiled our db.json file

And also json server have and endpoint, form which we can red the data of db.json document.





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8. Open any of the browser window and use the endpoint, which is provided by json-server on terminal . in our scenario endpoint is --> http://localhost:3000/Employee

(the default port number of json-server is 3000.)

