

Express Quiz

This is a document of Node and Express basic questions. Answer these to improve your knowledge. The level of questions will increase as you grow.

How to Submit answers? (Choose any one method)

Method 1 : Make separate google docs, write answers and send the link to the group.

Method 2 : It's better if you maintain a github repository for these questions and write answers in the form of markdown files (.md) with code and then share the link to the repo.

Learn how to write .md here

<https://medium.com/@saumya.ranjan/how-to-write-a-readme-md-file-markdown-file-20cb7cbcd6f>

Theory -

1. What is NodeJS?
2. What is V8 Engine?
3. What is Event Loop in NodeJS.
4. What is the use of tsconfig.json file?
5. What are the methods provided by `fs` module to manipulate files?
6. What is API?
7. What is JSON format?
8. Why we use JSON format for API?
9. What is a Framework?
10. How an HTTP Communication works.
11. What is Middleware in ExpressJS.

Program -

Create a Rest API using ExpressJS and Typescript, which has five endpoints of type:

- POST – Create a user and save it into a JSON file.
- PUT – Update a user on the basis of its email.
- GET– Get a specific user detail on the basis of email from JSON File.
- DELETE – Delete a specific user on the basis of email.
- Get – A Get request for getting all the available user in JSON file.

Note:

- If there is already an email exist in JSON file, User can not add the user with duplicate email.
- The JSON File will contain an array of Users.
- User Type Example:
 - {
 name: "Jhon Doe",
 age: 34,
 email: jhon@gmail.com,
 Gender: "Male"
}
- Here Gender Will be an `enum`.

TIP:

- Use The `fs` Module to Read and Write Data into JSON.

Please try to maintain the Folder Structure.