

Node JS Assignments

Module – 1: Node - JavaScript Fundamental

- Q1 :_What is the difference between Java & JavaScript?
- Q2. What is JavaScript?
- Q3. What are the data types supported by JavaScript?
- Q4. What are the scopes of a variable in JavaScript?
- Q5. What is Callback?
- Q6. What is Closure? Give an example.
- Q7. What is the difference between the operators '==' & '==='?
- Q8. What is the difference between null & undefined?
- Q9. What would be the result of 2+5+"3"?
- Q10. What is the difference between Call & Apply?

Module - 2: Node - NodeJS – Introduction

- Q1. What is Node.js? Where can you use it?
- Q2. Explain callback in Node.js.
- Q3. What are the advantages of using promises instead of callbacks?
- Q4. What is NPM?
- Q5. What are the modules in Node.js? Explain
- Q6. Create TODO app using FS module with yargs (command line arguments).

Module – 3: Node - Web Development with Node

- Q1. What is Express.js?**
- Q2 .Create localhost server using express.
- Q3 . Create basic "Hello world" app using node and express.
- Q4. Create weather app.
 - i. Use Hbs.
 - ii. Get country, state, city using api
 - iii. Get weather data by city
- Q5. Create world clock app.

Module – 4 : Node - Node with Mongodb

- Q1. What is MongoDB.
- Q2. What is difference between mongo DB and SQL
- Q3. Create database for online shopping app.
- Q4. Create Require collections for online shopping app and documents.
- i. User
 - ii. Product category
 - iii. Product
 - iv. Order
 - v. Review
- Q5. Write command to show all data from product collections and sort in ascending order.
- Q6. Update product price for particular product.
- Q7. Write command to delete particular document and collection.

Module – 5: Structuring REST API

- Q1. Create Rest API (get, post, delete, put, patch) for Task management.
- Q2. Create Rest API (get, post, delete, put, patch) for online shopping application.

Module – 6: Node - [API Authentication & Security]

- Q1. What is Middleware in Express.js?
- Q2. What is json web tokens?
- Q3. What is different between encryption and hashing.
- Q4. Create CRUD Application.
- i. Create session management (login & logout)
 - ii. Generate token while registration and login
 - iii. Create logout from one device.
 - iv. Create logout from all device.



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