

Node Course Content

Getting Started with NodeJS

- 1. Introduction to NodeJS
- 2. Setting-up Environment for NodeJS
- 3. Creating First App using NodeJS
- 4. Modules

FS Module

- 5. Introduction to FS Module
- 6. readFile
- 7. readFileSync
- 8. writeFile
- 9. writeFileSync
- 10. rename
- 11. copy file
- 12. unlink
- 13. stat
- 14. readdir

MongoDB

- 15. MongoDB
- 16. MongoDB Installation
- 17. Creating Databases and Collections
- 18. Inserting Documents
- 19. ObjectId
- 20. Queries to Retrieve Documents Conditionally
- 21. Updating, Deleting, Upserting Documents
- 22. limit, skip, sort, ensureIndex
- 23. Alternative to Referential Integrity and Joins

Package.json

- 24. Introduction to Packages and Package.json

Mongoose

- 25. Introduction to Mongoose
- 26. Retrieving Data using Mongoose
- 27. Inserting Data using Mongoose
- 28. Updating Data using Mongoose
- 29. Deleting Data using Mongoose

Http Module

- 30. Introduction to Http Module
- 31. Creating Simple Server using Http Module
- 32. Members of Response Object
- 33. Members of Request Object
- 34. Mixing FS Module with Http Module
- 35. Serving Home Page using Http Module
- 36. Serving Multiple Pages using Http Module
- 37. Handling Get Request using Http Module
- 38. Get (vs) Post
- 39. Handling Post Request using Http Module

"Express" Framework

- 40. Introduction to Express Framework
- 41. Simple App in Express
- 42. Request and Response Objects in Express
- 43. Get Request in Forms in Express
- 44. Handling Post Request in Forms using Express
- 45. Basic Routing in Express
- 46. Advanced Routing in Express

MVC in Express

- 47. Introduction to MVC Architecture
- 48. Introduction to EJS
- 49. Working with EJS in Express
- 50. Mustache
- 51. Handlebars
- 52. Pug (Jade)

Cookies and Sessions

- 53. Cookie-Parser
- 54. Express-Session

AJAX with Angular 6 & CRUD Operations with MongoDB

- 55. Intro to AJAX & Retrieving Data into MongoDB - using Angular
- 56. AJAX - Inserting Data into MongoDB - using Angular
- 57. AJAX - Updating Data into MongoDB - using Angular
- 58. AJAX - Deleting Data into MongoDB - using Angular

Unit Testing - Mocha and Chai

- 59. Introduction to Unit Testing (Mocha and Chai)
- 60. Basic Unit Testing Example
- 61. Complex Unit Testing Example
- 62. Testing HTTP Requests using Mocha

Socket.IO

- 63. Introduction to Socket.IO
- 64. Simple Chatting App
- 65. Group Chat