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=== What is Node.js? ===
- A JavaScript runtime for building scalable network apps.
- Uses Chromes V8 engine.
=== Core Modules ===
- fs: File system
- path: Path utilities
- http: Create servers
Example:
const http = require('http');
http.createServer((req, res) => {
res.write('Hello');
res.end();
}).listen(3000);
=== npm & package.json ===
- npm install express
- package.json lists dependencies
=== Express.js ===
const express = require('express');
const app = express();
```

app.get('/', (req, res) => {

```
res.send('Welcome');
});
=== Middleware ===
Functions that run before route handlers
app.use(express.json());
=== Routing ===
app.get(), app.post(), app.put(), app.delete()
=== Async Code ===
- Callback Hell
- Promises
- Async/await
=== Environment Variables ===
- Use dotenv package
- Store DB credentials safely
=== File System ===
- fs.readFile, fs.writeFile
=== Deployment ===
- Use PM2 or nodemon
- Host on Render, Heroku, or VPS
```