



NODE.JS INTERVIEW QUESTIONS WITH ANSWERS

Node.js Introduction

- Node.js is an open-source, cross-platform JavaScript runtime environment.
- It is built on Chrome's V8 engine, designed to build scalable network applications.
- It uses an event-driven, non-blocking I/O model, making it lightweight and efficient.
- Node.js is ideal for building real-time applications such as chat, gaming, and APIs.

Core Features of Node.js

- 1. Asynchronous and Event Driven: All APIs are asynchronous, meaning non-blocking.
- 2. Fast Execution: Built on V8 engine, Node.js executes code very fast.
- 3. Single Threaded but Highly Scalable: Uses a single threaded model with event looping.
- 4. No Buffering: Node.js applications never buffer any data.

Important Interview Questions

- Q1: What is the role of 'package.json'?

A: It contains metadata and is used to manage dependencies.

- Q2: What is NPM?

A: NPM stands for Node Package Manager. It helps install and manage packages.

- Q3: Explain Event Loop.

A: It handles all asynchronous callbacks in Node.js.

- Q4: What are Streams?

A: Streams are objects used to read/write data in chunks.

Node.js and Express.js

- 1. Express.js is a minimal and flexible Node.js web application framework.
- 2. It provides robust features for building single and multi-page web apps.
- 3. Middleware in Express is a function that handles requests and responses.
- 4. You can create RESTful APIs easily using Express.js with Node.