**NODE.JS INTERVIEW QUESTION**

Node.js is an open source(free or anyone can use) and cross-platform (run on any platform like- Windows,mac ,linux, etc) Javascript runtime environment.(JS file ko terminal me run kara skte hai by help of node.js)

A node.js app run in a single process, without creating a new thread for every request.

Node.js run the V8 Javascript engine .

Node.js uses event driven, non blocking I/O model to handle concurrent (Async + Sync code) request with single thread.

When multiple function ,fetching Api, call databse its doesn’t block of any other code.

**2)WHY IS NODE.JS Is POPULAR?**

1. Fast performance
2. Lightweight – built in event driven architecture.

It uses javascript as its main language to build web application with just javascript. We can build front end as well as backend applications, which means nodejs is everywhere on the client and on the server.

1)Nodejs is primary a Javascript runtime environment runs on V8 engine and V8 engine has an ability to compile and execute Javascript at a lightning fast speed,and that makes node JS application very fast and performant.

2)Node JS uses Basic event driven architecture. And it handles multiple requests with a single asynchronous thread. This reduces the workload on the CPU as well as the memory. This makes our application lightweight.

3)it has vast no of libraries and package(npm package) to perform specific task. And npm Add more than one million packages, which can be used freely.

node JS has more than 700,000 modules in their NpM registry and using the ready made modules instead of coding, which reduces the development time and results of faster time to the market.

4)Now Micro Services API designed with node JS is getting extremely popular. It can handle many simultaneous requests and create the apps without decreasing speed or performance.

**TYPE OF APP BUILD WITH NODE.JS Streaming web** Streaming Streaming web application like Netflix Amazon. Myntra.

Real time with application like CHAT APP Messenger.

Microservices and IOT application.

build any MERN Stack application like Ecommerce payments app.

Social media and networking application like linkedin, Medium.

Create Restful APIs.