1. **NodeJS**

Node.js is a virtual machine that uses JavaScript as its scripting language and runs Chrome’s V8 JavaScript engine. Basically, Node.js is based on an event-driven architecture where I/O runs asynchronously making it lightweight and efficient.

1. **Middleware**

Middleware comes in between request and business logic. It is mainly used to capture logs and enable rate limit, routing, authentication, basically whatever that is not a part of business logic.

1. **EventEmitter**

EventEmitter is a Node.js class that includes all the objects that are basically capable of emitting events. This can be done by attaching named events that are emitted by the object using an eventEmitter.on() function.

1. **Buffers**

Buffers is a temporary memory that is mainly used by stream to hold on to some data until consumed.

1. **Node.js Streams**

Streams are instances of EventEmitter which can be used to work with streaming data in Node.js. They can be used for handling and manipulating streaming large files(videos, mp3, etc) over the network.

Http Module; File System Module; URL module; NPM; Email

Create Server: let http = require('http');

http.createServer((req, res) => {

res.write('hello world' + req.url); console.log('server runnning..'); res.end();

}).listen(8080);

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File System Module:

**ReadFile**: http.createServer((req, res) => {

fs.readFile('tst.txt', (err, data) => { if(err) console.log(err); res.write(data); res.end(); });

}).listen(8080);

**Append**: http.createServer((req, res) => {

fs.appendFile('tst.txt', 'additional text;', (err, data) => { res.write(data); res.end(); })

}).listen(8080);

**OverWrite**: http.createServer((req, res) => {

fs.writeFile('tst.txt', 'telugu tuto', (err, data) => { res.write(data); res.end; })

}).listen(8080);

**Delete**: http.createServer((req, res) => {

fs.unlink('tst.txt', (err) => { if(err) throw err; console.log('file deleted..'); res.end; });}).listen(8080);

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**URL Module:** var url = require('url');

var adrs = 'http://localhost:8080/home.html?year=2021&month=dec'

var q = url.parse(adrs, true); console.log('Host: ' + q.host);

console.log('PathName: ' + q.pathname); console.log('Params: ' + q.search);

//q.host >> hostname; // q.pathname >> pathname // q.search >> params;

**Host: localhost:8080; PathName: /home.html; Params: ?year=2021&month=dec;**

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