Section-2

NodeJS

What is node js and use?

Node js is just an another javascript runtime environment, it’s just like a container like an environment executed inside a browser.

V8 engine developed using google come into play because that is exactly where javascript code will be passed and run into NodeJs.

Node Js Pros:

Single-threaded, based on event driven, non-blocking I/O model

Perfect for building fast and scalable data-intensive apps;

Companies like Netflix, uber, paypal, ebay have started using node in production;

JavaScript across the entire stack: faster and more efficient development;

NPM: huge library of open-source packages available for everyone for free;

Very active developer community.

Use Node Js:

API with database behind it (preferably NoSQL);

Data streaming (think YouTube);

Real-time chat application;

Server-side web application.

Don’t Use:

Applications with heavy server-side processing

Fs Module is required for reading data into the files and writing data into the files.

Synchronous- each statement is processed after line by line.

But this nature leads to blocking of the code but as we using node js to overcome this problem we can use Asynchronous read and write file operation using a call back function and the code becomes non-blocking.

Routing basically means running different sections using different Url’s.

HTML Template Part-1

To make website dynamic we change with the Name and quantity and many more with the place holder.

NPM-

Node Package Manager is the command line app that comes up with node js. And it is used to manage package as well as has it’s own repository.

Installing dev dependencies like nodemon it helps in restarting the server automatically.

Slug is basically a last part of the string that helps in identifying the displaying website.

Version and updating new versions and some update about the npm commands.