1. Install node js
2. Install visual studio code
3. Install Postman
4. Execute ‘npm init’ in visual studio code terminal. This will create package.json
5. Execute ‘npm install express’ to install express which is a library which helps to write API easily
6. Execute ‘npm install mongodb’
7. Execute ‘npm install mongoose’
8. Create a file index.js as it’s the main file (specified in package.json)
9. Add these lines of code :- this will create express application

const express = require('express');

const app = express();

1. Add app.listen function with port number to start listening at (localhost:3000/)
2. To start listening execute “node index.js” in terminal
3. Create mongo db account using gmail
4. Create cluster in mongdb
5. Create database and collection in the cluster
6. Click on ‘connect’ button of the cluster, select mongo db driver 🡪 get the link which starts with ‘srv:mongodb’ etc

Create table

Flightid int

Floghtnaem varchar(20)

MongoDB Databse

Collection (Person) 🡪 (similar to table in sql)

**Utham,gade,rdm,hyd 🡪 document 1 (similar to record/table row in sql)**

**Raju,Medapatis,hosur,cbe 🡪 document 2**

**Client is computer that sends request**

**Server is a computer that receives request qnd sends response**

**Node js 🡪 javascript runtime environment**

**Express 🡪 framework used to implement web server in node js**

When we hit google.com

Sending HTTP request from the client to google server

Google server will send HTTP response back to the client

Request (contains some infor+) -🡪 delivered to google server 🡪 access db if required 🡪 perform business logic operations -🡪 send a response which will have some data

HTTP is a protocol (set of rules)

How the data in the request should be formatted

Header, body, footer

Get, -- fetching data e.g login (fetching the data from db and validating)

Post --- saving data e.g signup (saving new info into the db)

Put – updating data e.g. profile info update (updating existing data)

Delete – deleting data e.g. delete (deleting the existing data)

By default 🡪 when we hit the url it’s a get request

What is JSON – Java script Object Notation

1,2,3 – integer

“hie” – string

Javascript object

{

Key1 : value1,

Key2 : value2,

Key3 : value3

}

And all keys and values will be in string

Object

“string” –string

“1” - integ