Download the node from the google

Open the VSCode

Check fo the version of node

C:\Users\Innu>node -v

v12.18.3

open the VSCode editor and type in the following

create a folder: NodeService

Path

----

D:\NodeService

PS D:\NodeService> npm init

This utility will walk you through creating a package.json file.

It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields

and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and

save it as a dependency in the package.json file.

Press ^C at any time to quit.

package name: (nodeservice)

version: (1.0.0)

description: This is a node service API

entry point: (index.js)

test command:

git repository:

keywords:

author: Fouzia Javeed

license: (ISC)

About to write to D:\NodeService\package.json:

{

"name": "nodeservice",

"version": "1.0.0",

"description": "This is a node service API",

"main": "index.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"author": "Fouzia Javeed",

"license": "ISC"

}

Is this OK? (yes) yes

PS D:\NodeService>

After this a package called package.json gets created into the folder which we created . and has all the info which we created.

{

  "name": "nodeservice",

  "version": "1.0.0",

  "description": "This is a node service API",

  "main": "index.js",

  "scripts": {

    "test": "echo \"Error: no test specified\" && exit 1"

  },

  "author": "Fouzia Javeed",

  "license": "ISC"

}

Here index.js is the entry point for the server.So we need to create the new file called index.js.

Here the framework which will be using will be express.Its is the node js webserver framework which is an open source in market.with help of this , We can design the backend work ,API ,and web application ,mobile services.

Express is available with help of npn package.

In VSCode we need to write the below line :

PS D:\NodeService> npm install express

npm notice created a lockfile as package-lock.json. You should commit this file.

npm WARN nodeservice@1.0.0 No repository field.

+ express@4.17.1

added 50 packages from 37 contributors and audited 50 packages in 3.894s

found 0 vulnerabilities

and then go to the link :

<https://github.com/expressjs/express>

after doing the npm install there will be one dir created – node modules which has all the libraries

and the write th following ccode in inex.js

//exporting the express here:

//https://github.com/expressjs/express

const express= require('express');

const app=express();

//create user data

const userInfoData= [

    {

        id : 1,

        fName : 'Fouzia',

        lName : 'Javeed',

        pNo : 2345

    },

    {

        id : 2,

        fName : 'Alee',

        lName : 'F',

        pNo : 28775

    },

    {

        id : 1,

        fName : 'Inu',

        lName : 'F',

        pNo : 286557

    },

];

//create end points - we careted 3 end points

//1. api info

app.get('/api/info',function(req,res){

    res.send('Welcome of Fjaveed Automation world');

    })

//2.user

app.get('/api/users',function(req,res){

res.json(userInfoData);

})

//3. user with respect to id

app.get('/api/users/:id',function(req,res){

    const id = req.params.id;

    const user= userInfoData.find(user=>user.id==id);

    if(user){

        res.json(user);

    }else{

        res.send('This user is not found')

    }

 })

 //start the node server

 //we nee to craete a port on which we ant to runthe server

 const PORT= 3000;

 app.listen(PORT,function()){

    console.log('Server is satrted ,Please call your APIs')

 }