

## How to run nodejs server files

1. Open command prompt and change the folder to nodejsdemos in which .js files are available

D:\IACSD sep 23\nodejsdemos>node server1.js

Server is running on port 9000

2. Open any browser

<http://localhost:9000/hello>

### to server4.js

1. D:\IACSD sep 23\nodejsdemos>node server4.js

Server is running on port 9000

2. Open browser

<http://localhost:9000/form>

it will display form

enter number : 100

enter number: 200

click addition button

the o/p will be addition

If you click on factorial button then o/p will be factorial

### to run loginserver1.js

3. D:\IACSD sep 23\nodejsdemos>node loginserver1.js

Server is running on port 9000

4. Open browser

<http://localhost:9000/login>

it will display login form

enter username : user1

enter password : user1

click login button

the o/p will be valid user

5. If you enter wrong user name and password

Then o/p will be invalid user

## To start using expressjs

1. create package.json

d:\IACSD sept23\nodejsdemos> npm init → it will ask you few questions, if you don't want to change answers the keep pressing enter key.

It will generate package.json file in the current folder

This file helps to store all dependencies along with its versions

2. open package.json file in Visual studio code and add dependencies entry in the package.json file as shown below.

```

},
"author": "Kishori",
"license": "ISC",
"dependencies": {
  "body-parser": "^1.10.1",
  "ejs": "^3.1.5",
  "mongoose": "^4.2.8",
  "mongodb": "^2.1.16",
  "express": "^4.10.7",
  "moment": "^2.9.0",
  "nodemon": "^1.2.1"
}
}

```

- to install all dependencies  
d:/IACSD sept 23/nodejsdemos>npm install

NodeJS	Express
<pre> const http= require('http') const server=http.createServer(function(req,resp){   ///add switch case  }); Server.listen(9000,function({}) </pre>	<pre> const express=require("express"); const app=express();  //common code to execute for all urls app.use(function(req,resp,next){}) app.use(function(req,resp,next){}) app.use(function(req,resp,next){})  //url specific function app.get("/hello",function(req,resp){   }) app.listen(9000,function({}) </pre>
<pre> Var rs=fs.createReadStream(fname); Rs.pipe(resp); </pre>	<pre> app.sendFile(fname) </pre>

- write a express js web application to handle following url

/home	In home page
/aboutus	In aboutus
/product	In product page