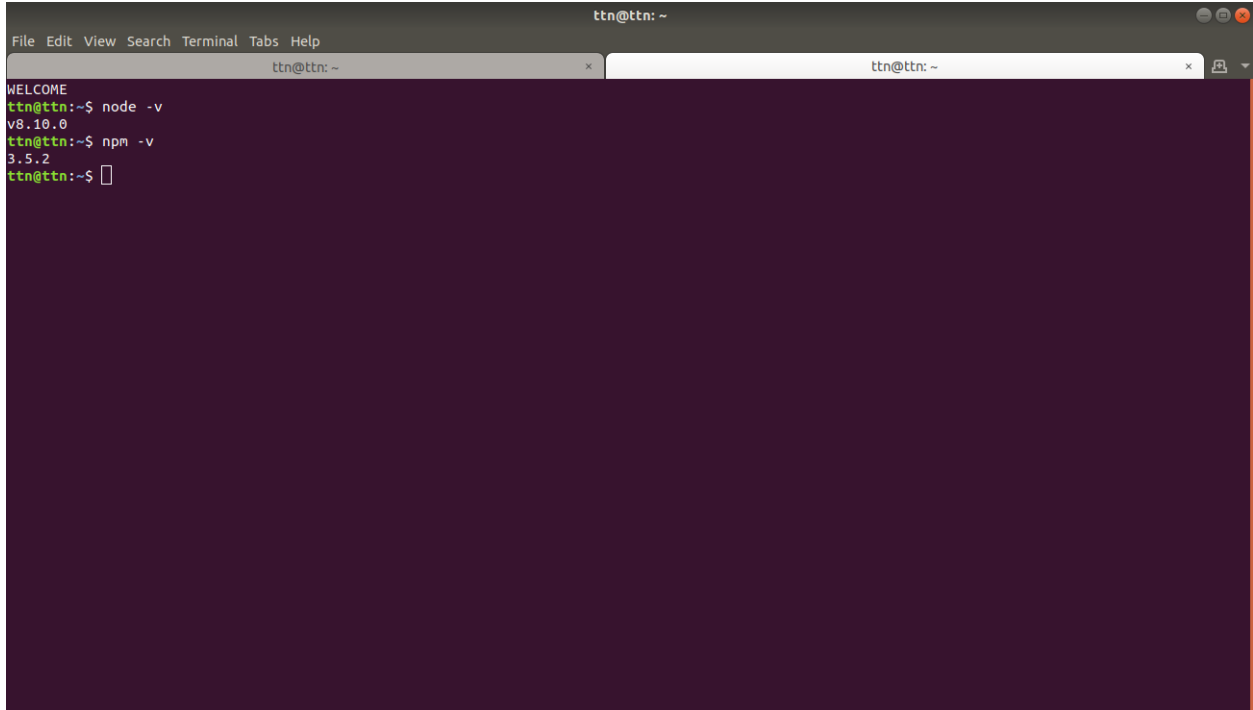


Assignment

1. Installing node latest version and npm

A terminal window with a dark purple background. The window title is 'ttn@ttn: ~'. The menu bar shows 'File Edit View Search Terminal Tabs Help'. There are two tabs open, both titled 'ttn@ttn: ~'. The terminal output shows: 'WELCOME', 'ttn@ttn:~\$ node -v', 'v8.10.0', 'ttn@ttn:~\$ npm -v', '3.5.2', and 'ttn@ttn:~\$' followed by a cursor.

```
WELCOME
ttn@ttn:~$ node -v
v8.10.0
ttn@ttn:~$ npm -v
3.5.2
ttn@ttn:~$
```

2. Read file asynchronously and synchronously.

Asynchronously

```
const http=require('http');
const fs =require('fs');

http.createServer((request,response)=>{
    fs.readFile('Demo.html',(err,data)=>{
        response.writeHead(200,{"Content-Type":"text/html"});
        response.write(data);
        response.end();
    });
});
```

```
}).listen(3000);  
console.log("file read success")
```

Synchronously

```
const http=require('http');  
const fs =require('fs');  
  
http.createServer(function(request,response){  
    const data=fs.readFileSync('Demo.html');  
    response.writeHead(200,{ 'Content-Type':'text/html'});  
    response.write(data);  
    response.end();  
  
}).listen(3000);
```

Demo.html

```
<h1> hello world</h1
```

3. Install dependencies and dev dependencies

```
>npm install cors --save-dev
```

Package.json

```
Open package.json Save
~/Node_practice

{
  "name": "demo",
  "version": "1.0.0",
  "description": "",
  "main": "async.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "devDependencies": {
    "cors": "^2.8.5"
  }
}
```

JSON Tab Width: 8 Ln 1, Col 1 INS

4. Creating module and import & export

4.js

```
exports.add=(a,b)=>{
  return a+b;
})
```

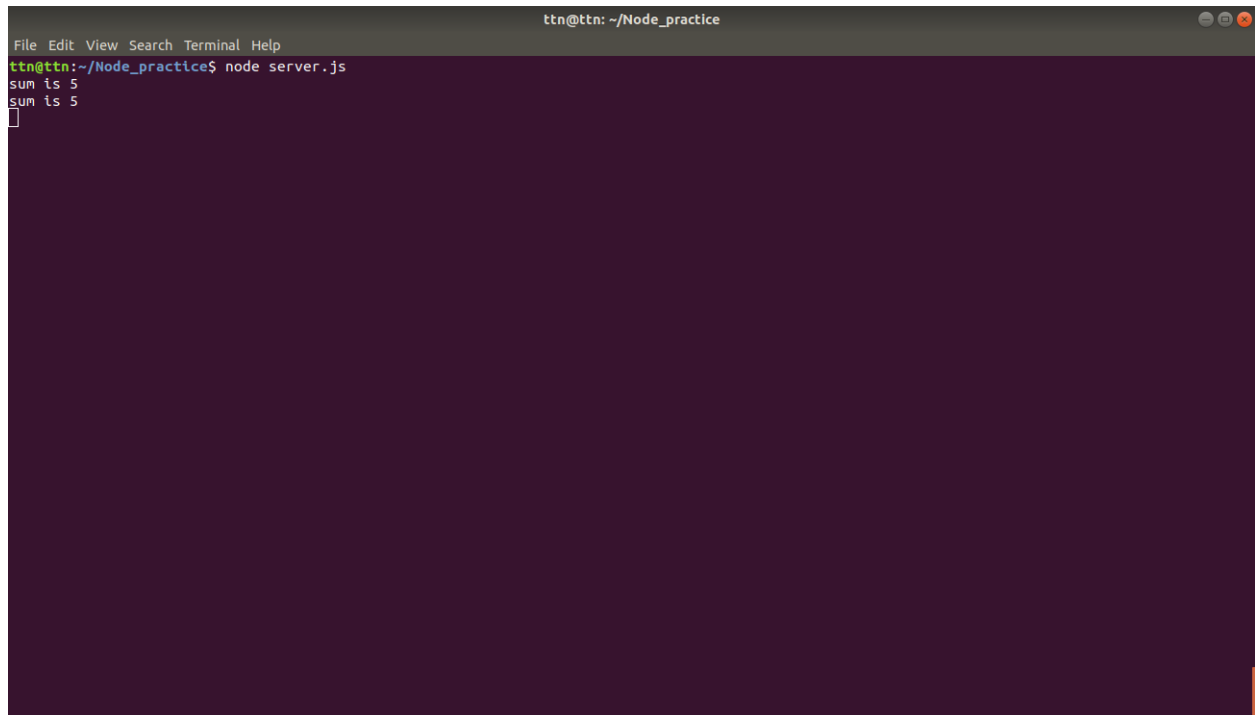
Server.js

```
const http=require('http');
const add =require('./4');

http.createServer(function(request,response){
  //var val=add(1,2);
  response.writeHead(200,{ 'Content-Type':'text/html' });
  console.log("sum is",add.add(2,3));

  response.end();
```

```
}).listen(3000);
```

A terminal window titled 'ttn@ttn: ~/Node_practice' with a menu bar (File, Edit, View, Search, Terminal, Help). The prompt is 'ttn@ttn:~/Node_practice\$' and the command 'node server.js' has been executed. The output shows two requests: 'sum is 5' and 'sum is 5', each followed by a blank line. The terminal has a dark purple background and a cursor is visible on the line following the second request.

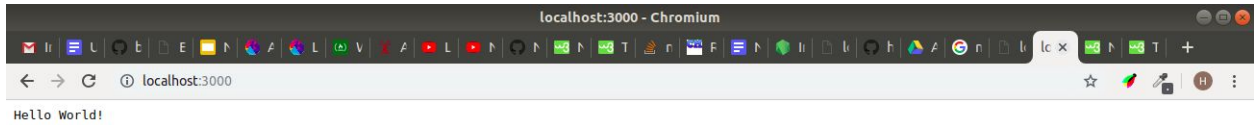
```
ttn@ttn: ~/Node_practice
File Edit View Search Terminal Help
ttn@ttn:~/Node_practice$ node server.js
sum is 5
sum is 5

```

5. Creating a http server

```
var http = require('http');

http.createServer(function (req, res) {
  res.write('Hello World!');
  res.end();
}).listen(3000);
```



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Show all x