

Assignement – 6

Create and publish your own Node package to display current date and time with appropriate message

Step-1 : Create npm account by going to npmjs.com

Step-2: Go to cmd and do login into npm(node package manager) account by **npm login** and it will ask username, password, email, OTP authenticator etc.

```
C:\Users\NEEL RANA>npm login
npm WARN adduser `adduser` will be split into `login` and `register` in a future version. `adduser` will become its own command.
npm notice Log in on https://registry.npmjs.org/
Username: neel09
Password:
Email: (this IS public) neelrana.it20@scet.ac.in
npm notice Please check your email for a one-time password (OTP)
Enter one-time password: 85342860
Logged in as neel09 on https://registry.npmjs.org/.
```

Step-3 : Create directory for module that you will publish and create a new package using **npm init**

```
C:\Users\NEEL RANA>mkdir neelranatime

C:\Users\NEEL RANA>cd neelranatime
```

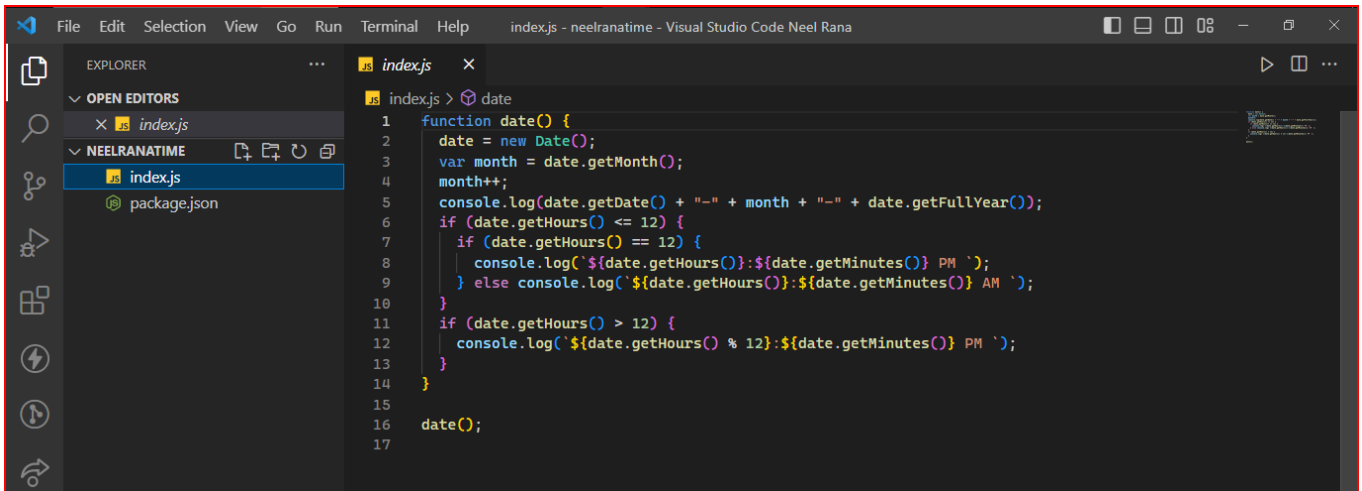
```
C:\Users\NEEL RANA\neelranatime>npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

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.

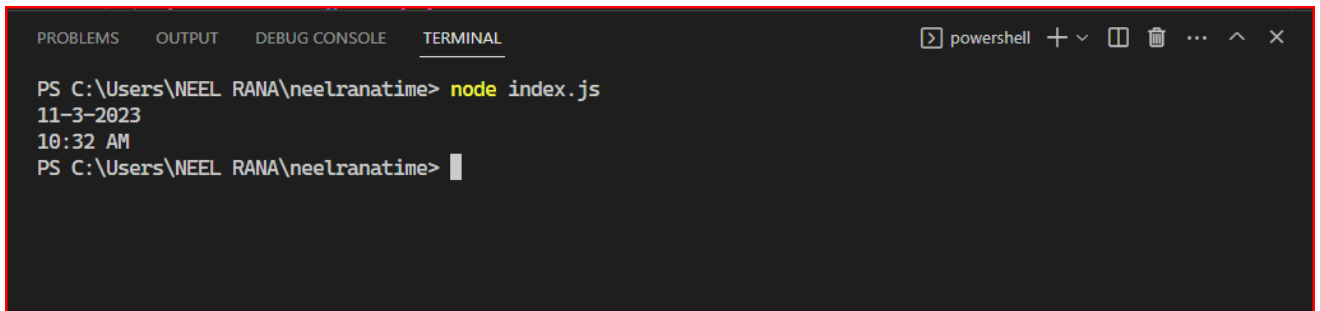
Press ^C at any time to quit.
package name: (neelranatime)
version: (1.0.0)
description:
keywords:
author:
Is this OK? (yes)
About to write to C:\Users\NEEL RANA\neelranatime\package.json:
{
  "name": "neelranatime",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}
```

Step-4 : As entry point : index.js , so you have to write your code in index.js

A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'NEELRANATIME' with files 'index.js' and 'package.json'. The 'index.js' file is open in the main editor, showing a JavaScript function 'date()' that logs the current date and time. The code is as follows:

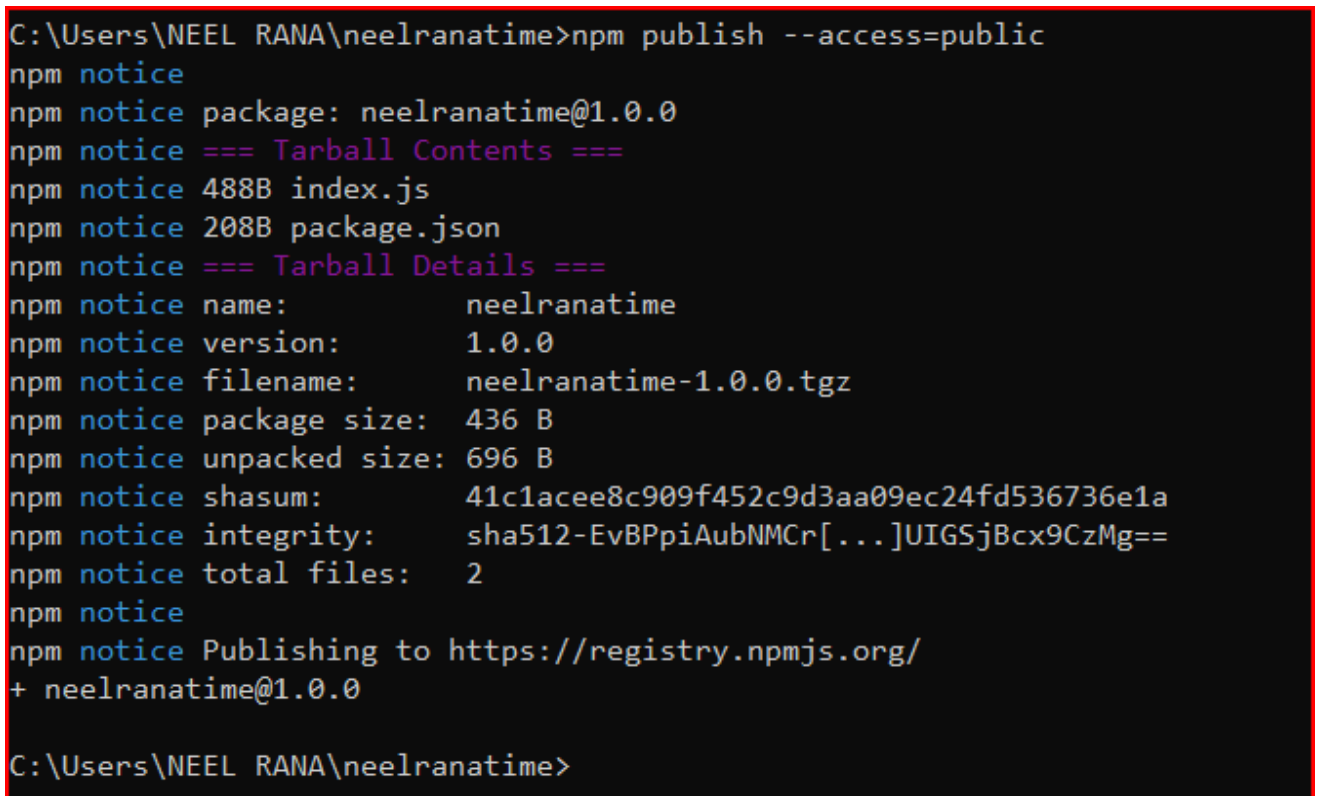
```
1 function date() {  
2   date = new Date();  
3   var month = date.getMonth();  
4   month++;  
5   console.log(date.getDate() + "-" + month + "-" + date.getFullYear());  
6   if (date.getHours() <= 12) {  
7     if (date.getHours() == 12) {  
8       console.log(`${date.getHours()}:${date.getMinutes()} PM `);  
9     } else console.log(`${date.getHours()}:${date.getMinutes()} AM `);  
10  }  
11  if (date.getHours() > 12) {  
12    console.log(`${date.getHours() % 12}:${date.getMinutes()} PM `);  
13  }  
14  }  
15  
16  date();  
17
```

Output :

A screenshot of a terminal window with the title 'powershell'. It shows the command 'node index.js' being executed in a PowerShell prompt. The output of the script is displayed as follows:

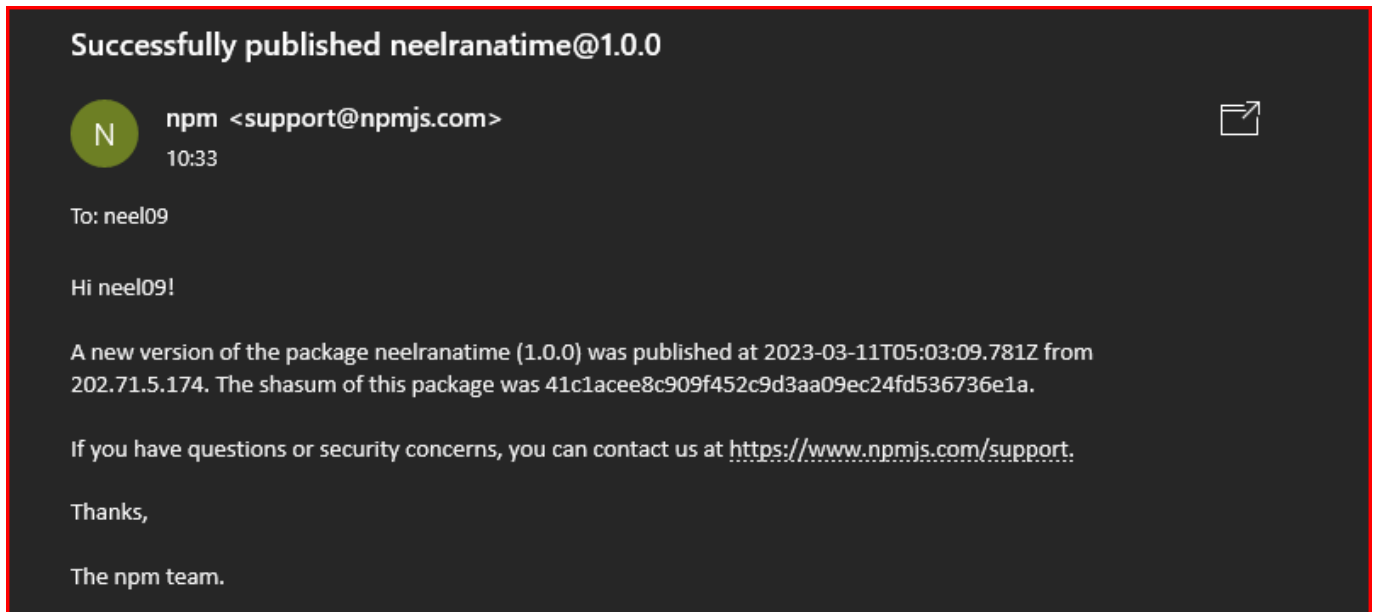
```
PS C:\Users\NEEL RANA\neelranatime> node index.js  
11-3-2023  
10:32 AM  
PS C:\Users\NEEL RANA\neelranatime>
```

Step-5 : Publishing package

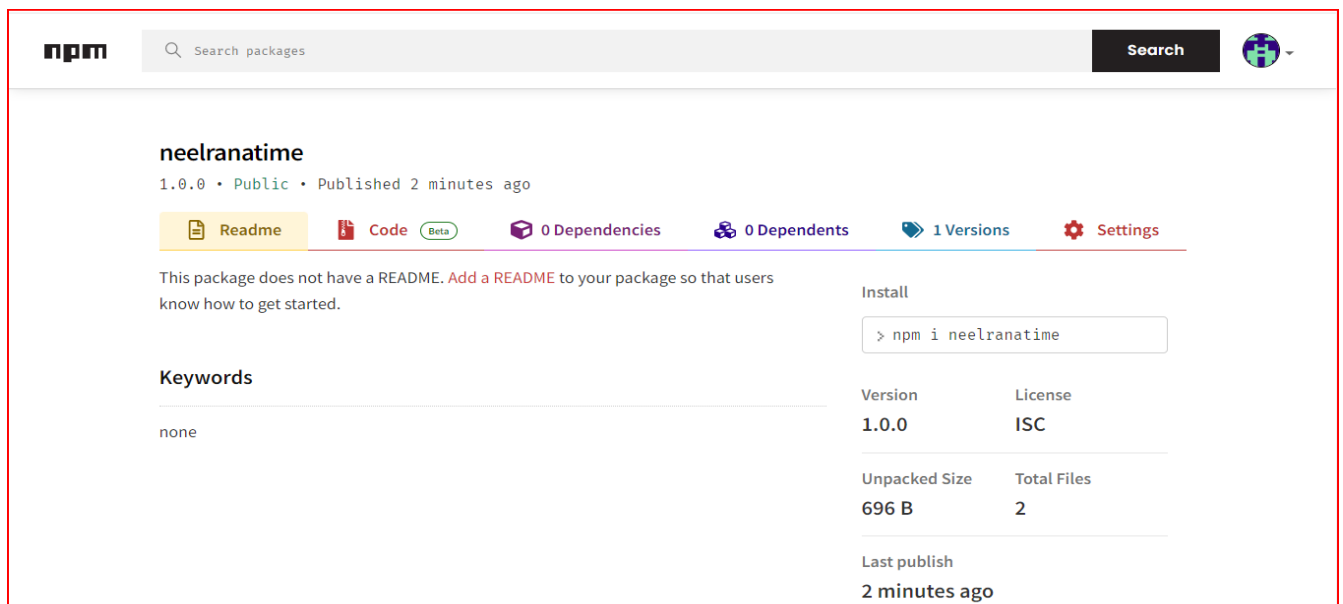
A screenshot of a terminal window showing the command 'npm publish --access=public' being executed. The output of the command is as follows:

```
C:\Users\NEEL RANA\neelranatime>npm publish --access=public  
npm notice  
npm notice package: neelranatime@1.0.0  
npm notice === Tarball Contents ===  
npm notice 488B index.js  
npm notice 208B package.json  
npm notice === Tarball Details ===  
npm notice name: neelranatime  
npm notice version: 1.0.0  
npm notice filename: neelranatime-1.0.0.tgz  
npm notice package size: 436 B  
npm notice unpacked size: 696 B  
npm notice shasum: 41c1acee8c909f452c9d3aa09ec24fd536736e1a  
npm notice integrity: sha512-EvBPpiAubNMCr[... ]UIGSjBcx9CzMg==  
npm notice total files: 2  
npm notice  
npm notice Publishing to https://registry.npmjs.org/  
+ neelranatime@1.0.0  
  
C:\Users\NEEL RANA\neelranatime>
```

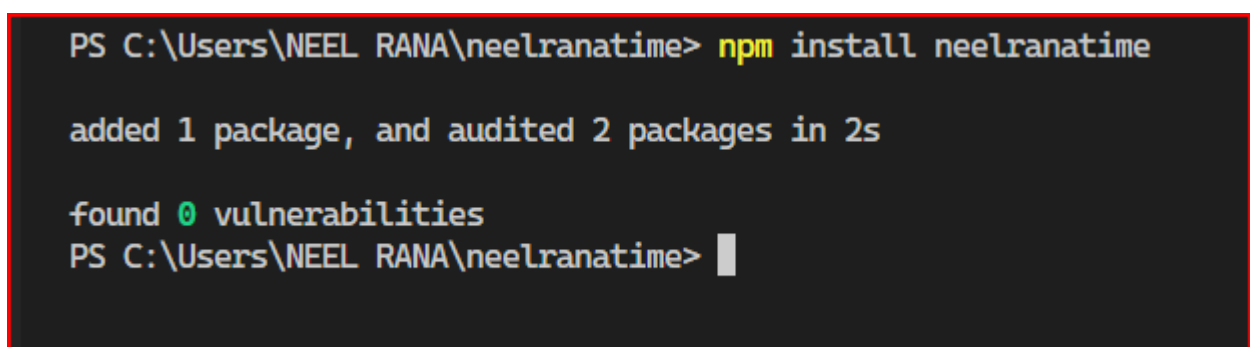
After this, you will receive an email like this :-



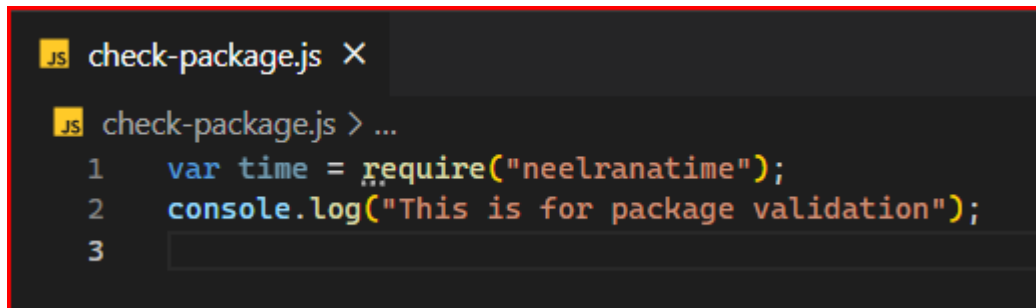
You can also check if the package was published on npmjs.com :-



Installing mytimemeet package module to work with it:-

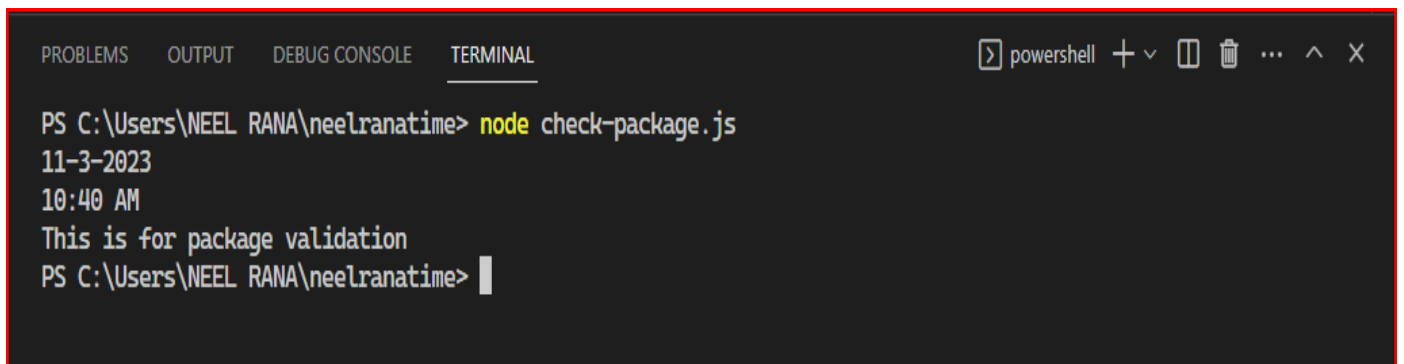


Code to use mytimemeet package :-

A screenshot of a code editor window titled 'check-package.js'. The editor shows three lines of JavaScript code: line 1 is 'var time = require("neelranatime");', line 2 is 'console.log("This is for package validation");', and line 3 is an empty line.

```
JS check-package.js X  
JS check-package.js > ...  
1 var time = require("neelranatime");  
2 console.log("This is for package validation");  
3
```

Output :-

A screenshot of a PowerShell terminal window. The terminal shows the command 'node check-package.js' being executed, which outputs the date '11-3-2023', the time '10:40 AM', and the message 'This is for package validation'. The prompt 'PS C:\Users\NEEL RANA\neelranatime>' is visible at the end of the output.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL powershell + v [ ] [ ] ... ^ X  
PS C:\Users\NEEL RANA\neelranatime> node check-package.js  
11-3-2023  
10:40 AM  
This is for package validation  
PS C:\Users\NEEL RANA\neelranatime>
```