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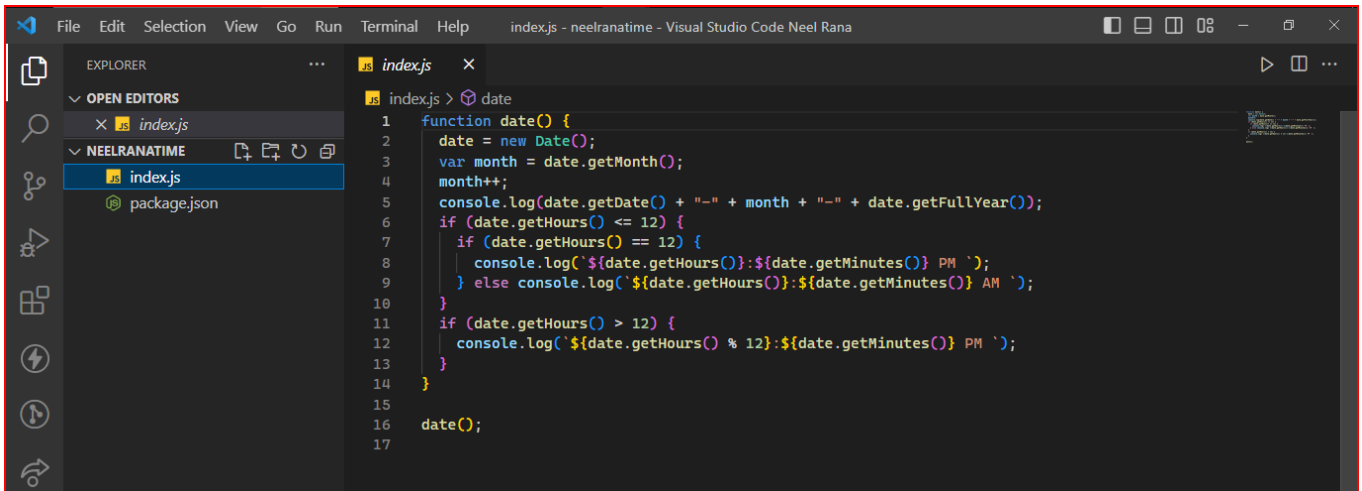
```
C:\Users\NEEL RANA\neelranatime>npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

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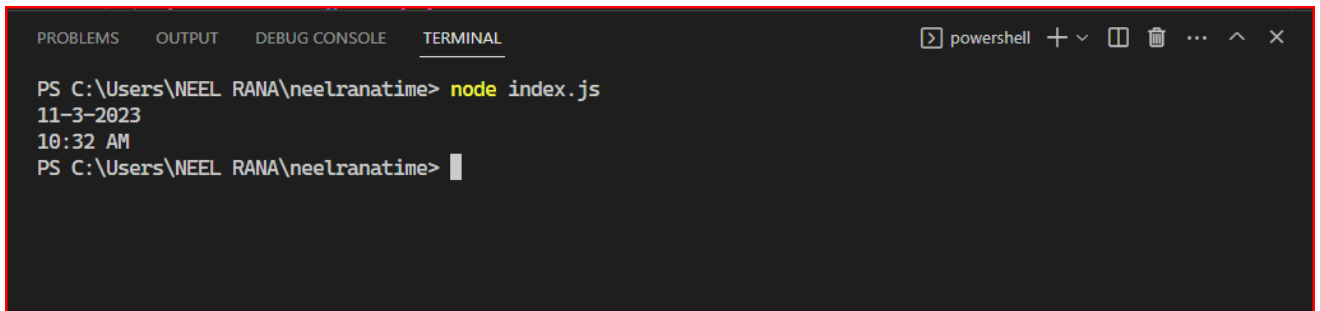
Step-4 : As entry point : index.js , so you have to write your code in index.js
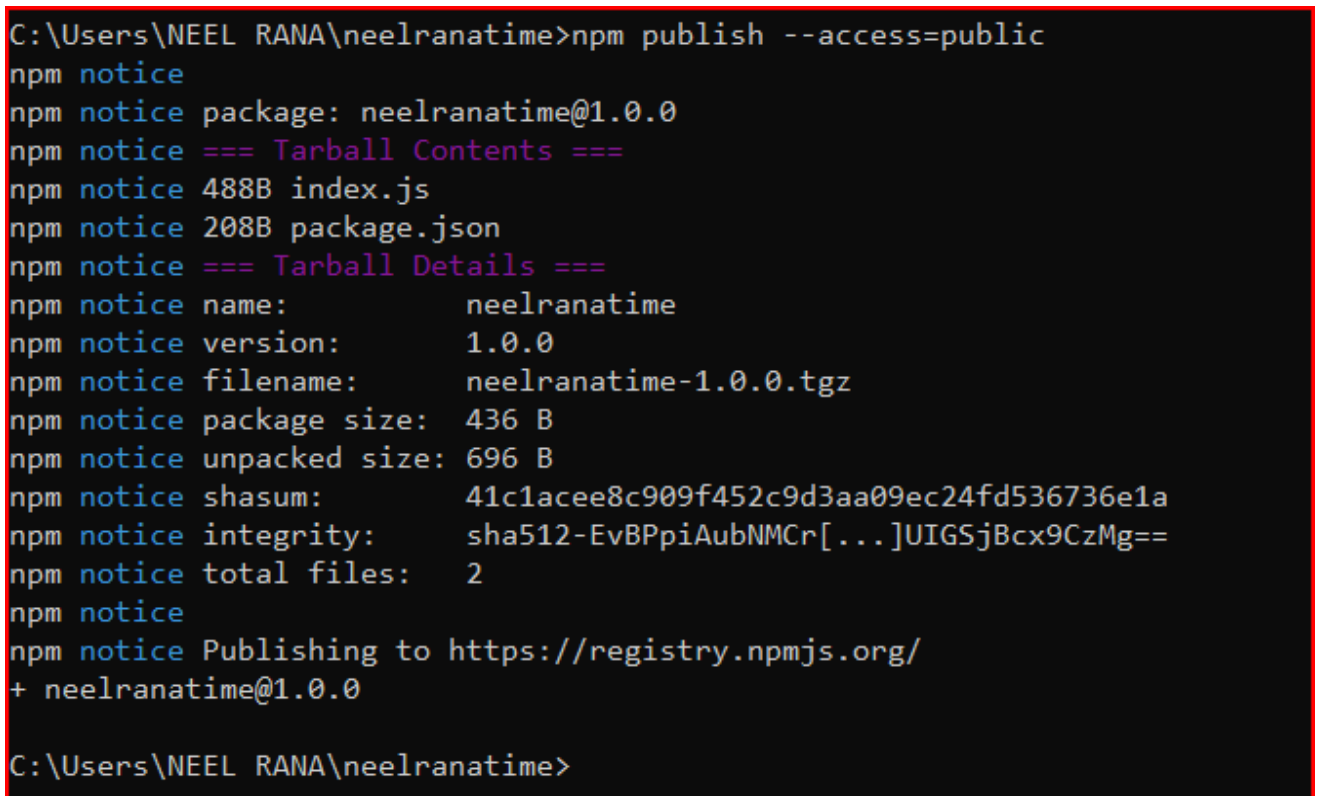


```js
function date() {
    date = new Date();
    var month = date.getMonth();
    month++;
    console.log(date.getDate() + "-" + month + "-" + date.getFullYear());
    if (date.getHours() <= 12) {
        if (date.getHours() == 12) {
            console.log(`${date.getHours()}:${date.getMinutes()} PM `);
        } else console.log(`${date.getHours()}:${date.getMinutes()} AM `);
    }
    if (date.getHours() > 12) {
        console.log(`${date.getHours() % 12}:${date.getMinutes()} PM `);
    }
}

date();
```
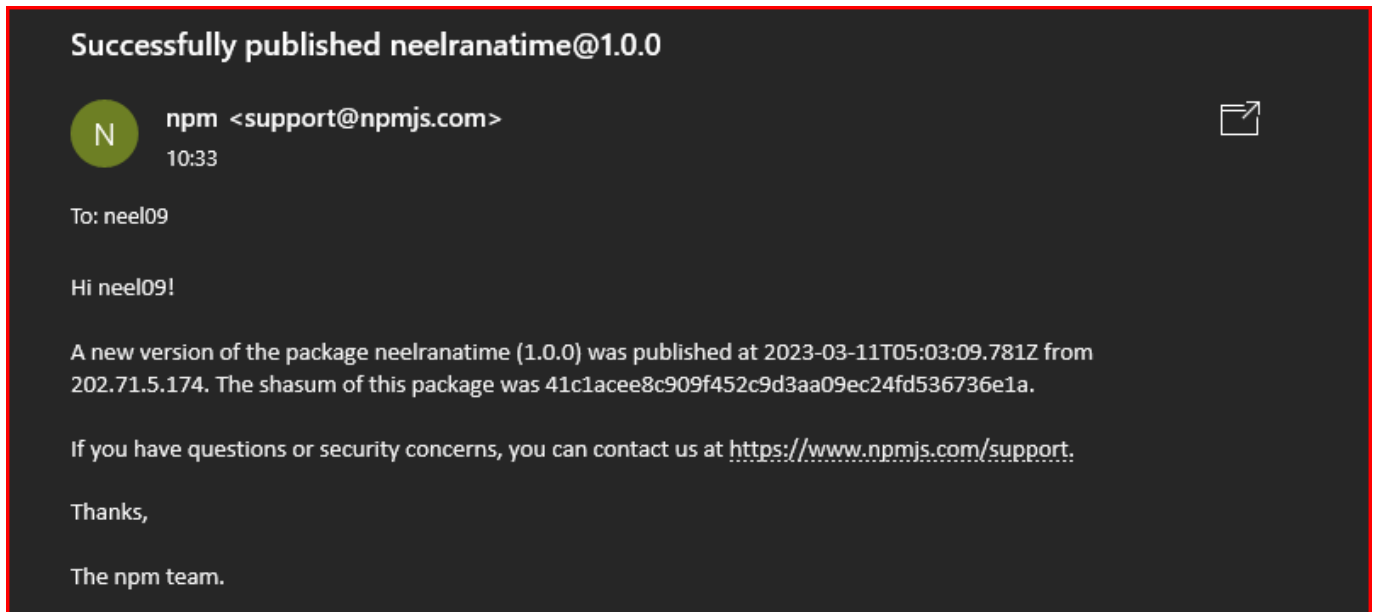
Output :


```
PS C:\Users\NEEL RANA\neelranatime> node index.js
11-3-2023
10:32 AM
PS C:\Users\NEEL RANA\neelranatime>
```
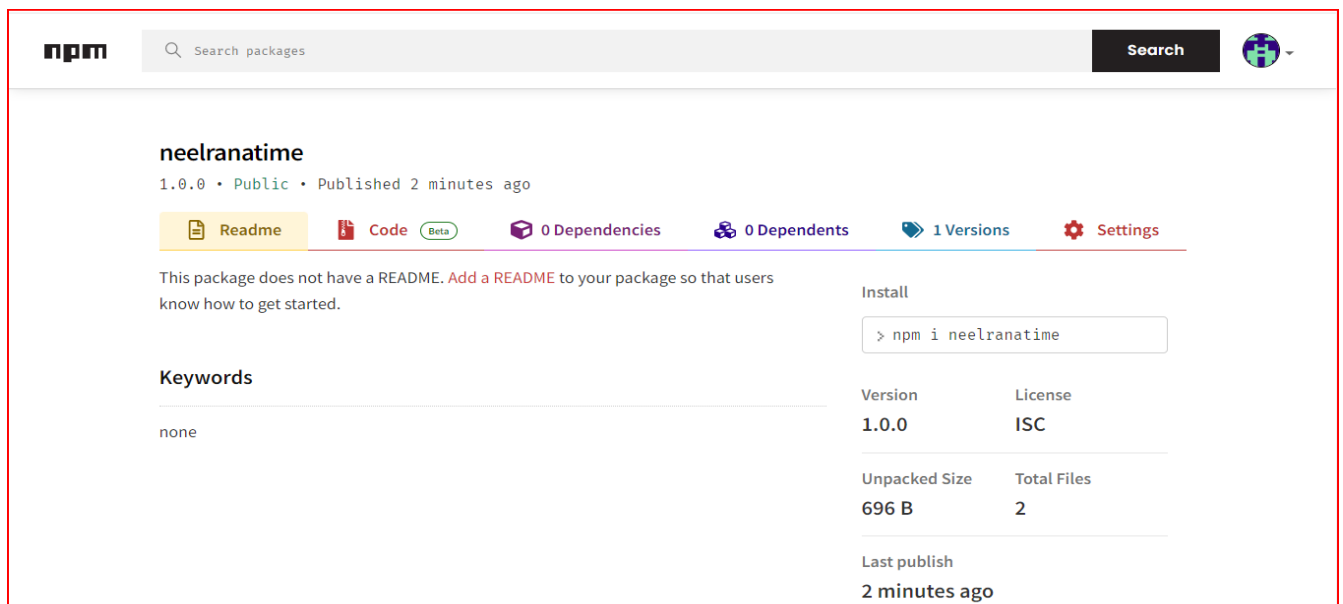
Step-5 : Publishing package


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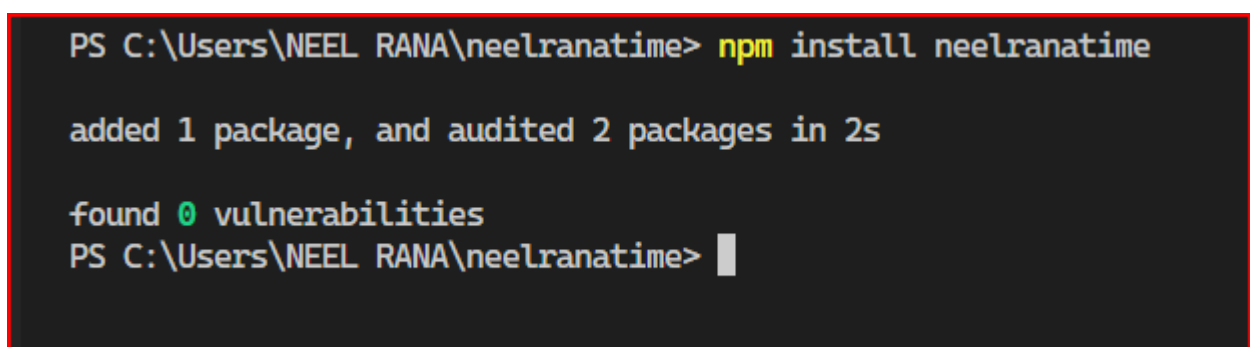
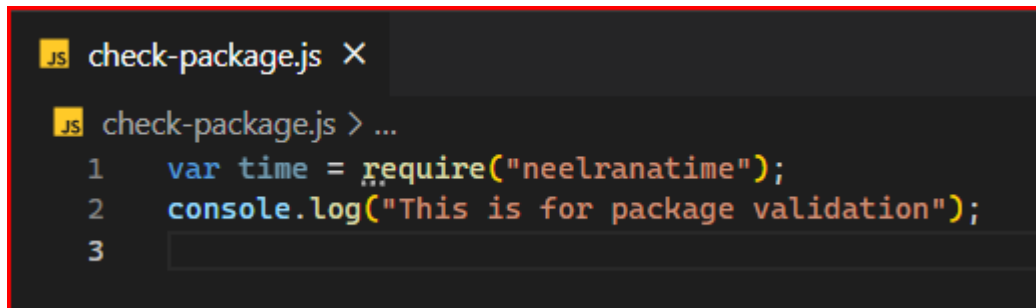After this, you will receive an email like this :-

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

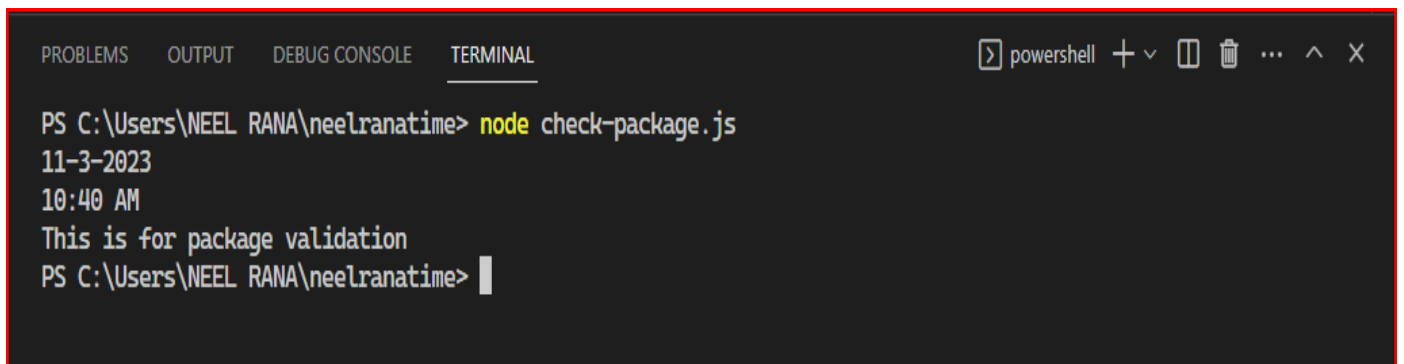Installing mytimemeet package module to work with it:-

Code to use mytimemeet package :-

```js
var time = require("neelranatime");
console.log("This is for package validation");
```

Output :-

```
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>
```