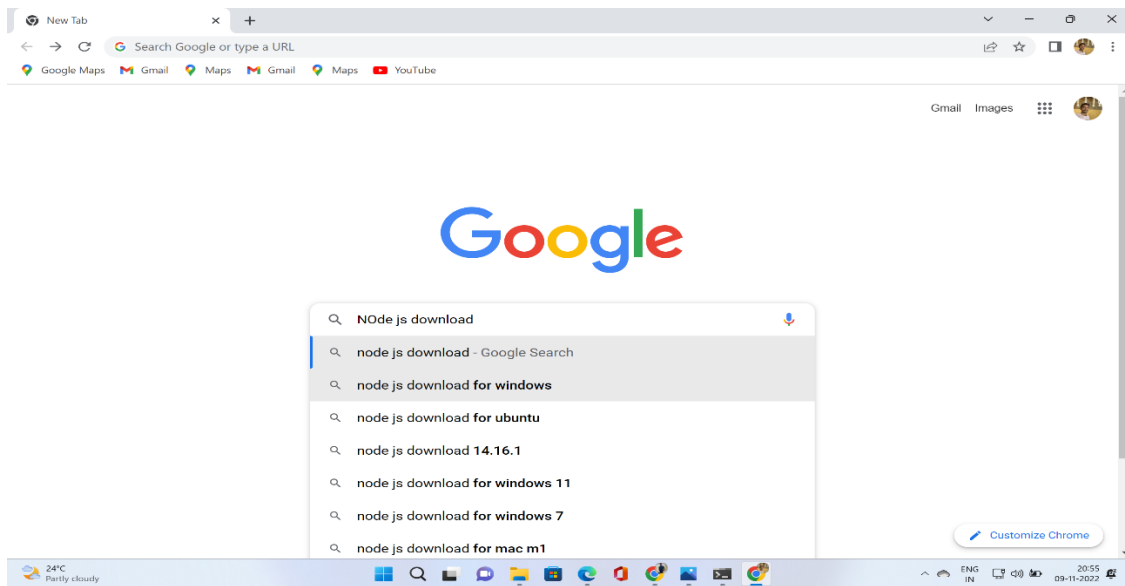


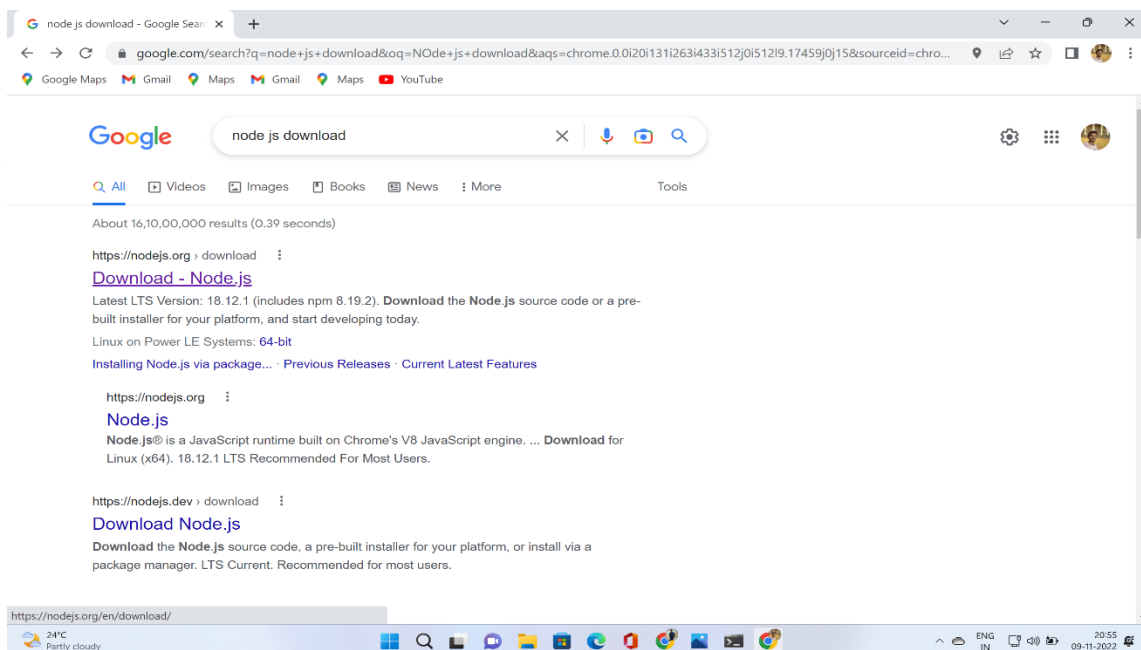
## Creating A Node-Red APP

Team ID	PNT2022TMID08469
Project Name	Smart Farmer-IOT Enabled Smart Farming Application

### Open Chrome Browser and Type Node red Js Download:



### Click the first link in the chrome :



**After clicking the we can select windows installer or macos installer or source code based on your device and select device 32 -bit or 64-bit:**

The screenshot shows the Node.js download page. The browser address bar is `nodejs.org/en/download/`. The page has a navigation bar with links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, NEWS. The main content area is titled "Downloads" and states "Latest LTS Version: 18.12.1 (includes npm 8.19.2)". Below this, it says "Download the Node.js source code or a pre-built installer for your platform, and start developing today." There are two tabs: "LTS Recommended For Most Users" and "Current Latest Features". Under the "LTS" tab, there are three options: "Windows Installer" (node-v18.12.1-x64.msi), "macOS Installer" (node-v18.12.1.pkg), and "Source Code" (node-v18.12.1.tar.gz). Below these, there is a table of download links for various platforms and architectures.

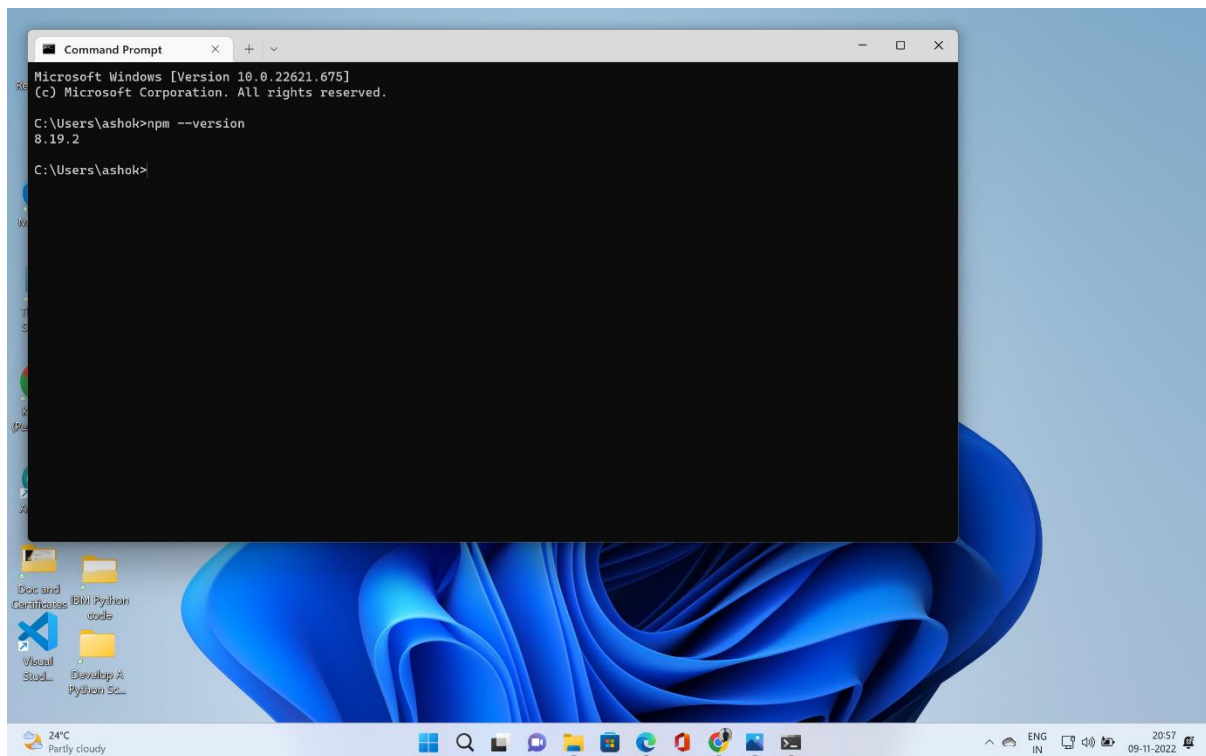
Platform	Architecture	Download Link
Windows Installer (.msi)	32-bit	<a href="#">node-v18.12.1-x64.msi</a>
	64-bit	<a href="#">node-v18.12.1-x64.msi</a>
Windows Binary (.zip)	32-bit	<a href="#">node-v18.12.1-x64.msi</a>
	64-bit	<a href="#">node-v18.12.1-x64.msi</a>
macOS Installer (.pkg)	64-bit / ARM64	<a href="#">node-v18.12.1.pkg</a>
	ARM64	<a href="#">node-v18.12.1.pkg</a>
macOS Binary (.tar.gz)	64-bit	<a href="#">node-v18.12.1.pkg</a>
	ARM64	<a href="#">node-v18.12.1.pkg</a>
Linux Binaries (x64)	64-bit	<a href="#">node-v18.12.1-x64.msi</a>
	ARMv7	<a href="#">node-v18.12.1-x64.msi</a>
Linux Binaries (ARMv8)	ARMv7	<a href="#">node-v18.12.1-x64.msi</a>
	ARMv8	<a href="#">node-v18.12.1-x64.msi</a>

**We can see file was starting download :**

The screenshot shows the Chrome Downloads page. The browser address bar is `chrome://downloads`. The page title is "Downloads". There is a search bar labeled "Search downloads". Below the search bar, there is a list of downloads. The first download is "node-v18.12.1-x64.msi" with a progress bar showing 158 KB/s - 3.4 MB of 29.3 MB, 3 mins left. The second download is "node-v18.12.1-x64.msi" with a status of "Canceled" and a "Retry" button. The third download is "Assignment-4 (1).pdf" with a status of "Canceled" and a "Retry" button.

Download Name	Status	Progress
node-v18.12.1-x64.msi	In Progress	158 KB/s - 3.4 MB of 29.3 MB, 3 mins left
node-v18.12.1-x64.msi	Canceled	Retry
Assignment-4 (1).pdf	Canceled	Retry

**After completing the download we have to check the node-red is properly installed or not. So for checking we have to type npm --version in Command prompt**

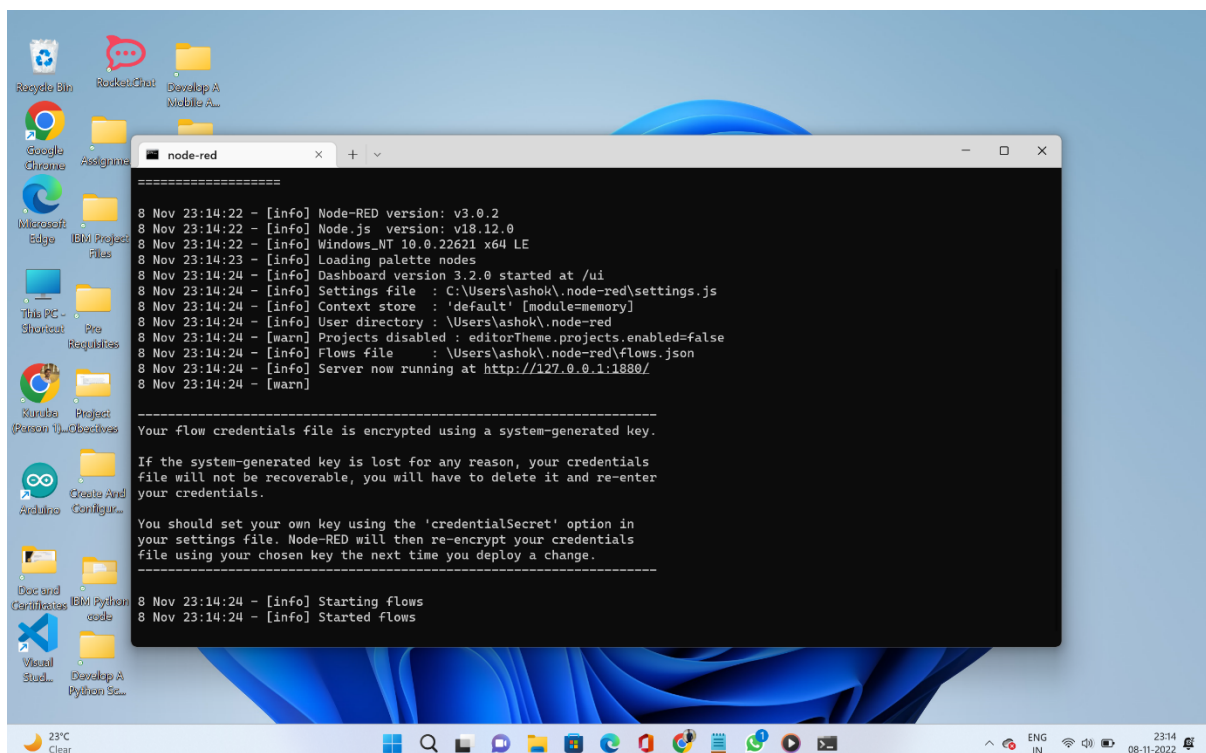


```
Microsoft Windows [Version 10.0.22621.675]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ashok>npm --version
8.19.2

C:\Users\ashok>
```

**After successful installation we have to type node-red in command prompt. It will give the one local sever link . That is [https:// 127.0.0.1880/](https://127.0.0.1:1880/).**



```
=====
8 Nov 23:14:22 - [info] Node-RED version: v3.0.2
8 Nov 23:14:22 - [info] Node.js version: v18.12.0
8 Nov 23:14:22 - [info] Windows_NT 10.0.22621 x64 LE
8 Nov 23:14:23 - [info] Loading palette nodes
8 Nov 23:14:24 - [info] Dashboard version 3.2.0 started at /ui
8 Nov 23:14:24 - [info] Settings file : C:\Users\ashok\.node-red\settings.js
8 Nov 23:14:24 - [info] Context store : 'default' [module=memory]
8 Nov 23:14:24 - [info] User directory : \Users\ashok\.node-red
8 Nov 23:14:24 - [warn] Projects disabled : editorTheme.projects.enabled=false
8 Nov 23:14:24 - [info] Flows file : \Users\ashok\.node-red\flows.json
8 Nov 23:14:24 - [info] Server now running at http://127.0.0.1:1880/
8 Nov 23:14:24 - [warn]

-----
Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
-----
8 Nov 23:14:24 - [info] Starting flows
8 Nov 23:14:24 - [info] Started flows
```

**After clicking the that link it is directly redirecting to the Node-red work space that is given below.**

