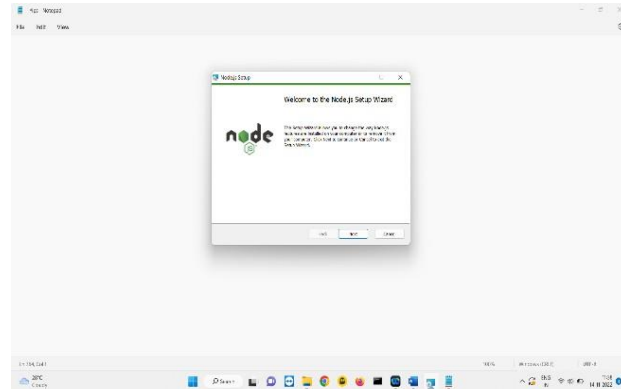


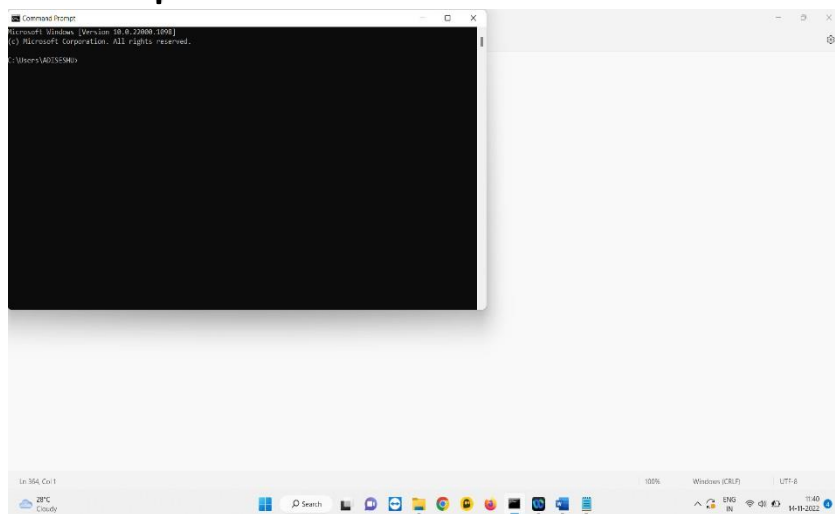
TEAM ID	PNT2022TMID52099
PROJECT NAME	IOT BASED SMART CROP PRODUCTION SYSTEM FOR AGRICULTURE

## CREATE NODE-RED SERVICE

### STEP1: Install node.js



### STEP2: Next open command terminal



STEP3: Type “npm install -g --unsafe-perm node-red” , this command downloads local service of node-red locally in your machine.

STEP4: After installation we need to check the node-red service, for that type “node-red”.

```
node-red
14 Nov 09:21:28 - [info] Node-RED version: v2.0.2
14 Nov 09:21:28 - [info] Node.js version: v18.12.1
14 Nov 09:21:28 - [info] Windows_NT 10.0.22000 x64
14 Nov 09:21:30 - [info] Loading palette nodes
14 Nov 09:21:31 - [info] Settings file : C:\Users\AD15ESHA\code-red\settings.js
14 Nov 09:21:31 - [info] Context store : 'default' [module=memory]
14 Nov 09:21:31 - [info] User directory : C:\Users\AD15ESHA\code-red
14 Nov 09:21:31 - [warn] Projects disabled : editorTheme.projects.enabled=false
14 Nov 09:21:31 - [info] Flow file : C:\Users\AD15ESHA\code-red\flows.json
14 Nov 09:21:31 - [info] Creating new flow file
14 Nov 09:21:31 - [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.
-----
14 Nov 09:21:31 - [info] Server now running at http://127.0.0.1:1880/
14 Nov 09:21:31 - [warn] Encrypted credentials not found
14 Nov 09:21:31 - [info] Starting flows
14 Nov 09:21:31 - [info] Started flows
```

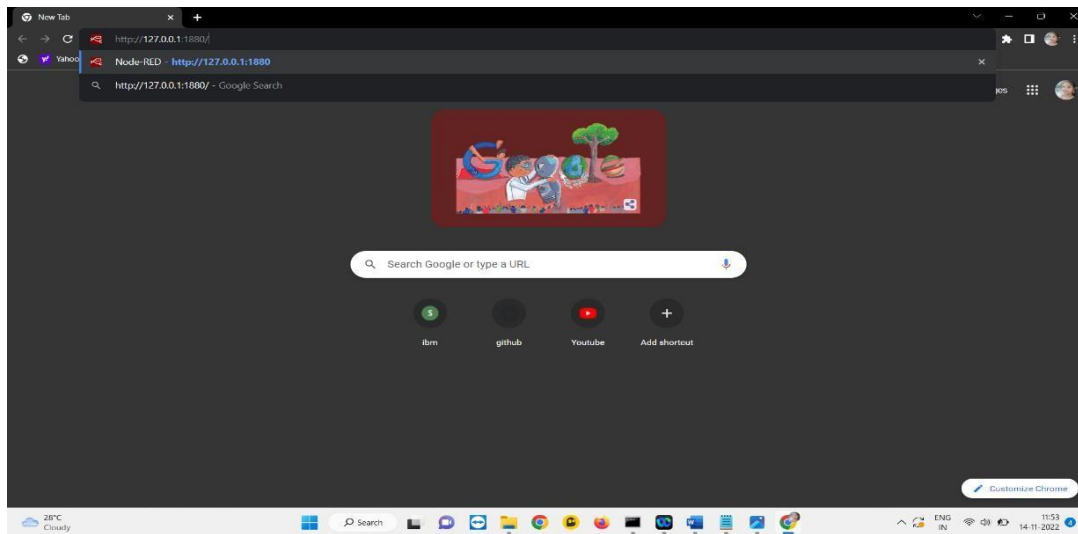
STEP5: Then we can see a URL like "http://127.0.0.1:1880", this link redirects to the local node-red service.

```
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14 Nov 09:21:28 - [info] Node.js version: v18.12.1
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14 Nov 09:21:30 - [info] Loading palette nodes
14 Nov 09:21:31 - [info] Settings file : C:\Users\AD15ESHA\code-red\settings.js
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```



STEP6: Then node-red will open

