PROJECT DEVELOPMENT PHASE

SPRINT-2

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PROJECT NAME	IOT BASED CROP PROTECTION SYSTEM

STEP1: Download and Install NODE JS.

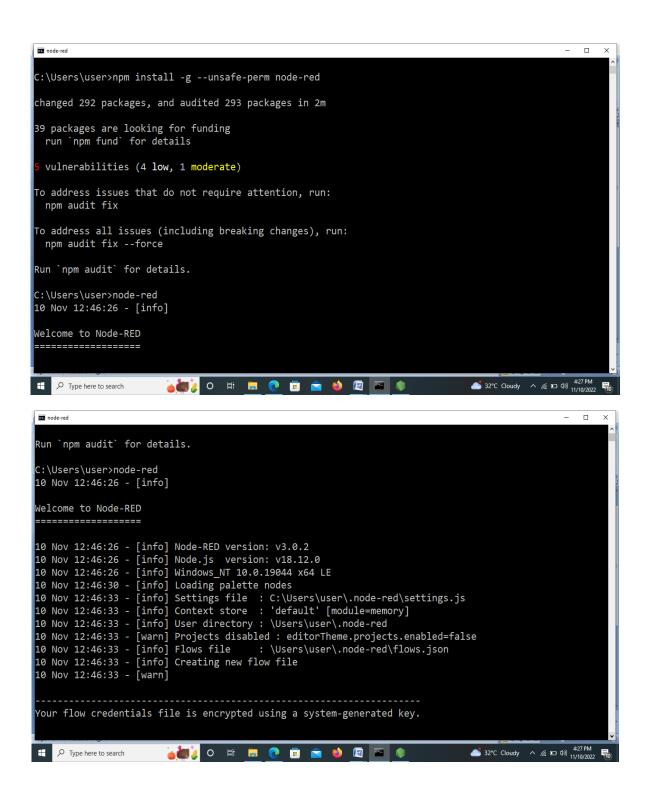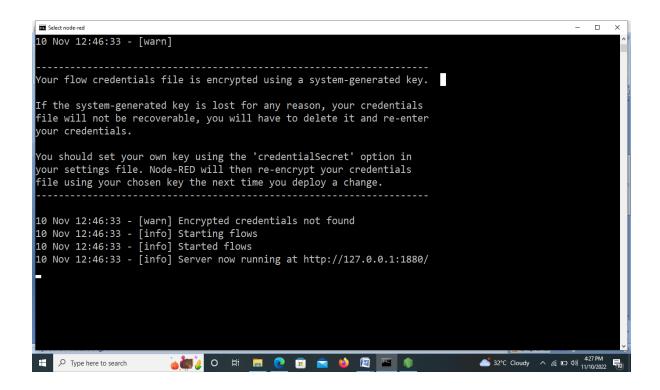**STEP2:** Setup node.js and configure command prompt for error check. Open node-red from the generated link.

```
node-red                                                    —  □  ✕

C:\Users\user>npm install -g --unsafe-perm node-red

changed 292 packages, and audited 293 packages in 2m

39 packages are looking for funding
  run `npm fund` for details

5 vulnerabilities (4 low, 1 moderate)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

C:\Users\user>node-red
10 Nov 12:46:26 - [info]

Welcome to Node-RED
===================
```



```
node-red                                                    —  □  ✕

Run `npm audit` for details.

C:\Users\user>node-red
10 Nov 12:46:26 - [info]

Welcome to Node-RED
===================

10 Nov 12:46:26 - [info] Node-RED version: v3.0.2
10 Nov 12:46:26 - [info] Node.js  version: v18.12.0
10 Nov 12:46:26 - [info] Windows_NT 10.0.19044 x64 LE
10 Nov 12:46:30 - [info] Loading palette nodes
10 Nov 12:46:33 - [info] Settings file  : C:\Users\user\.node-red\settings.js
10 Nov 12:46:33 - [info] Context store  : 'default' [module=memory]
10 Nov 12:46:33 - [info] User directory : \Users\user\.node-red
10 Nov 12:46:33 - [warn] Projects disabled : editorTheme.projects.enabled=false
10 Nov 12:46:33 - [info] Flows file     : \Users\user\.node-red\flows.json
10 Nov 12:46:33 - [info] Creating new flow file
10 Nov 12:46:33 - [warn]

--------------------------------------------------------------------------
Your flow credentials file is encrypted using a system-generated key.
```
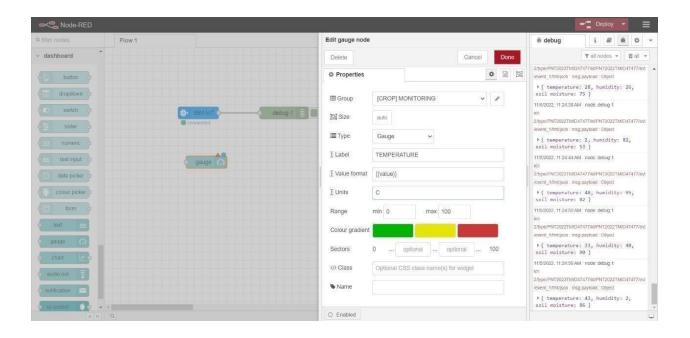
STEP3: Connect IBM IOT in and Debug 1 and deploy.

STEP4: Edit gauge node (Here the gauge nodes are named as Temperature, Humidity and Soil moisture).