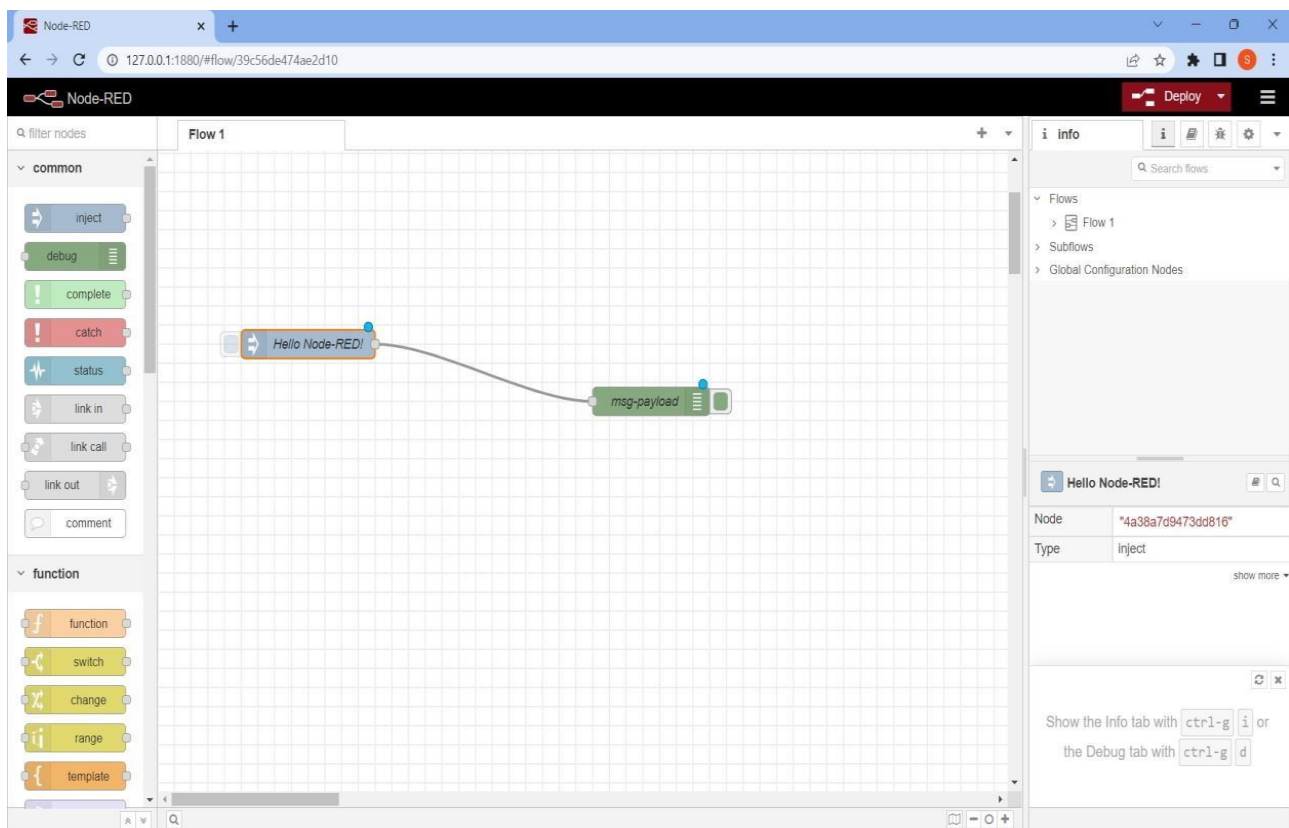


DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

DEVELOP THE WEB APPLICATION USING NODE-RED

Team id	PNT2022TMID24443
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
Maximum Marks	4 Marks



Node-RED interface showing a flow with two nodes: "Hello NodeRed" and "msg-payload". The interface includes a sidebar with node categories (common, function) and a right-hand panel for debugging.

The flow consists of two nodes connected by a wire:

- Node 1:** "Hello NodeRed" (a blue node with a speech bubble icon).
- Node 2:** "msg-payload" (an orange node with a document icon).

The interface also shows a sidebar with node categories:

- common:** inject, debug, complete, catch, status, link in, link call, link out, comment.
- function:** function, switch, change.

The right-hand panel displays the "debug" tab, showing a list of nodes and a "msg-payload" node selected.

The bottom status bar shows the system clock (14:18) and date (09-11-2022).

```
node-red
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

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

C:\Users\Lenovo>npm -g
npm <command>

Usage:

npm install      install all the dependencies in your project
npm install <foo> add the <foo> dependency to your project
npm test        run this project's tests
npm run <foo>    run the script named <foo>
npm <command> -h quick help on <command>
npm -l          display usage info for all commands
npm help <term> search for help on <term> (in a browser)
npm help npm    more involved overview (in a browser)

All commands:

  access, adduser, audit, bin, bugs, cache, ci, completion,
  config, dedupe, deprecate, diff, dist-tag, docs, doctor,
  edit, exec, explain, explore, find-dupes, fund, get, help,
  hook, init, install, install-ci-test, install-test, link,
  ll, login, logout, ls, org, outdated, owner, pack, ping,
  pkg, prefix, profile, prune, publish, query, rebuild, repo,
  restart, root, run-script, search, set, set-script,
  shrinkwrap, star, stars, start, stop, team, test, token,
  uninstall, unpublish, unstar, update, version, view, whoami

Specify configs in the ini-formatted file:
  C:\Users\Lenovo\.npmrc
or on the command line via: npm <command> --key=value

More configuration info: npm help config
Configuration fields: npm help 7 config

npm@8.19.2 C:\Program Files\nodejs\node_modules\npm

C:\Users\Lenovo>node-red
'node-red' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Lenovo>npm install -g --unsafe-perm node-red
npm WARN deprecated @types/keyv@4.2.0: This is a stub types definition. keyv provides its own type definitions, so you do not need this installed.

added 292 packages, and audited 293 packages in 26s
```

```
node-red

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.
npm notice
npm notice New patch version of npm available! 8.19.2 -> 8.19.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v8.19.3
npm notice Run npm install -g npm@8.19.3 to update!
npm notice

C:\Users\Lenovo\node-red
9 Nov 13:39:31 - [info]

Welcome to Node-RED
=====

9 Nov 13:39:31 - [info] Node-RED version: v3.0.2
9 Nov 13:39:31 - [info] Node.js version: v19.0.1
9 Nov 13:39:31 - [info] Windows_NT 10.0.22000 x64 LE
9 Nov 13:39:33 - [info] Loading palette nodes
9 Nov 13:39:34 - [info] Settings file : C:\Users\Lenovo\node-red\settings.js
9 Nov 13:39:34 - [info] Context store : 'default' [module=memory]
9 Nov 13:39:34 - [info] User directory : C:\Users\Lenovo\node-red
9 Nov 13:39:34 - [warn] Projects disabled : editorTheme.projects.enabled=false
9 Nov 13:39:34 - [info] Flows file : C:\Users\Lenovo\node-red\flows.json
9 Nov 13:39:34 - [info] Creating new flow file
9 Nov 13:39:34 - [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.
-----
```

