

Creation of node-RED

Date	7 November 2022
Team ID	PNT2022TMID37103
Project name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 marks

```
node-red
C:\Users\AK>node-red
5 Nov 14:57:01 - [info]

Welcome to Node-RED
*****

5 Nov 14:57:01 - [info] Node-RED version: v3.0.2
5 Nov 14:57:01 - [info] Node.js version: v16.17.1
5 Nov 14:57:01 - [info] Windows_NT 10.0.22000 x64 LE
5 Nov 14:57:03 - [info] Loading palette nodes
5 Nov 14:57:35 - [info] Settings file : C:\Users\AK\.node-red\settings.js
5 Nov 14:57:35 - [info] Context store : 'default' [module=memory]
5 Nov 14:57:35 - [info] User directory : \Users\AK\.node-red
5 Nov 14:57:35 - [warn] Projects disabled : editorTheme.projects.enabled=false
5 Nov 14:57:35 - [info] Flows file : \Users\AK\.node-red\flows.json
5 Nov 14:57:35 - [info] Creating new flow file
5 Nov 14:57:35 - [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.
*****

5 Nov 14:57:35 - [warn] Encrypted credentials not found
5 Nov 14:57:35 - [info] Starting flows
5 Nov 14:57:35 - [info] Started flows
5 Nov 14:57:35 - [info] Server now running at http://127.0.0.1:1880/
```

Running Node-RED locally (Node-RED) | Node-RED | 127.0.0.1:1880/floweditor?debug=1

Node-RED

0 flow nodes | Flow 1 | Flow 2

position

- inject
- debug
- complete
- catch
- merge
- split
- link out
- link in
- comment

function

- function
- switch
- change
- range
- random

Flow 1

inject → msg

Flow 2

debug

```
["msg"]
FUNCTION: 10/10/2020 10:10:40 node debug 1
msg.payload: msg
["msg"]
FUNCTION: 10/10/2020 10:10:40 node debug 1
msg.payload: msg
["msg"]
FUNCTION: 10/10/2020 10:10:40 node debug 1
10/10/2020 10:10:40
* subject
  _msgid: "a4d0f1c1001a0010"
  payload: "all"
  topic: "111"
  voltage: "50v"
  current: "40u"
FUNCTION: 10/10/2020 10:10:40 node debug 1
10/10/2020 10:10:40
* subject
  _msgid: "a4d0f1c1001a0010"
  payload: "all"
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