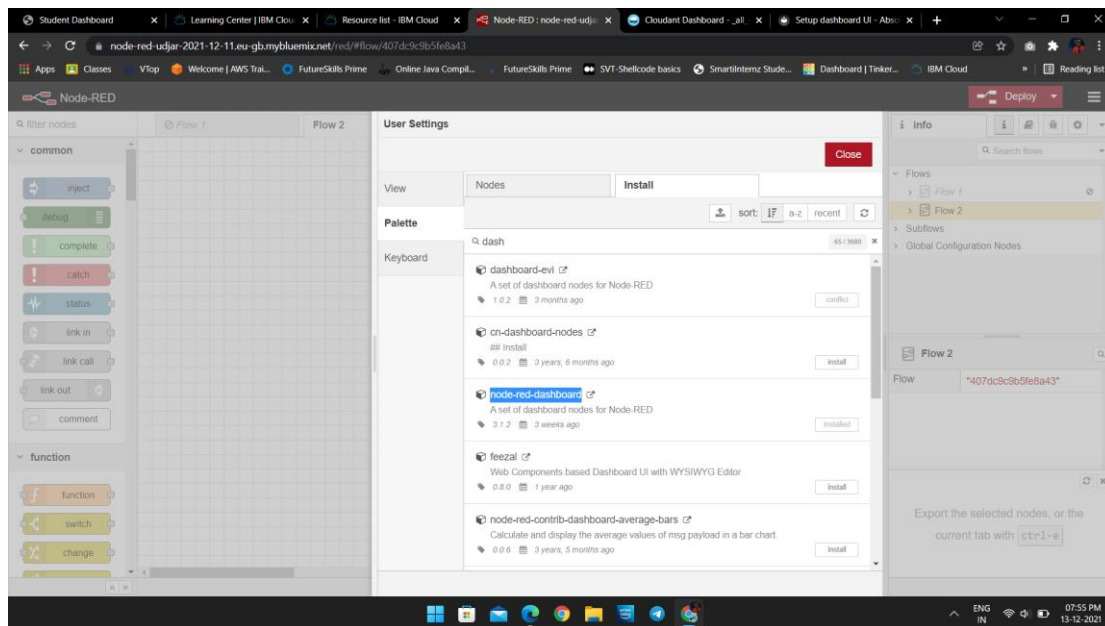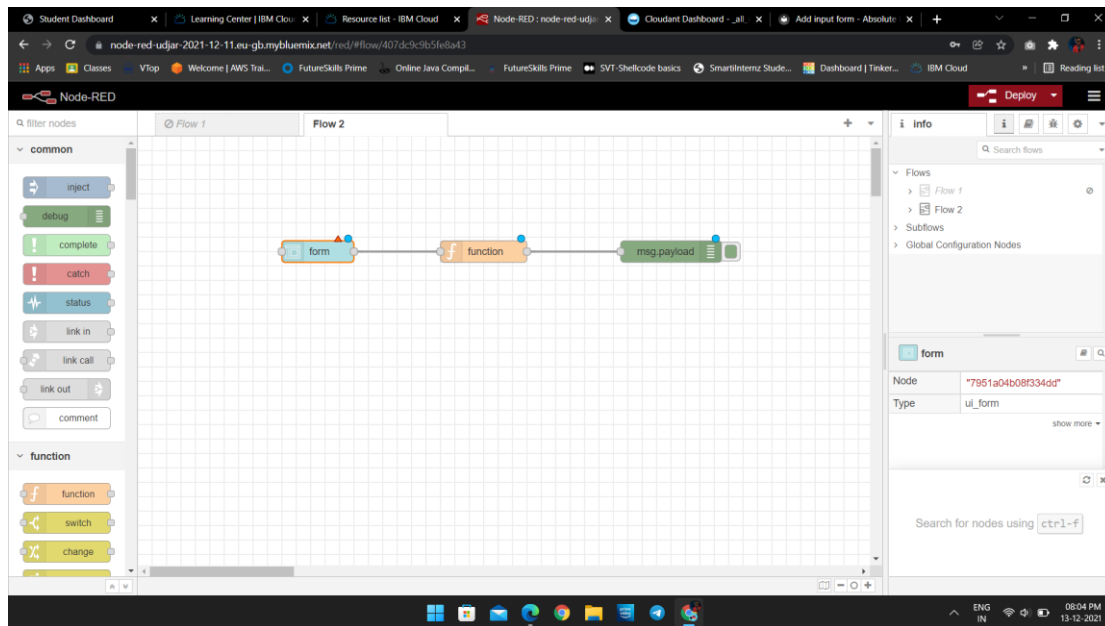# Assignment 5

Rishabh Maheshwari

19BCY0145

Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB.
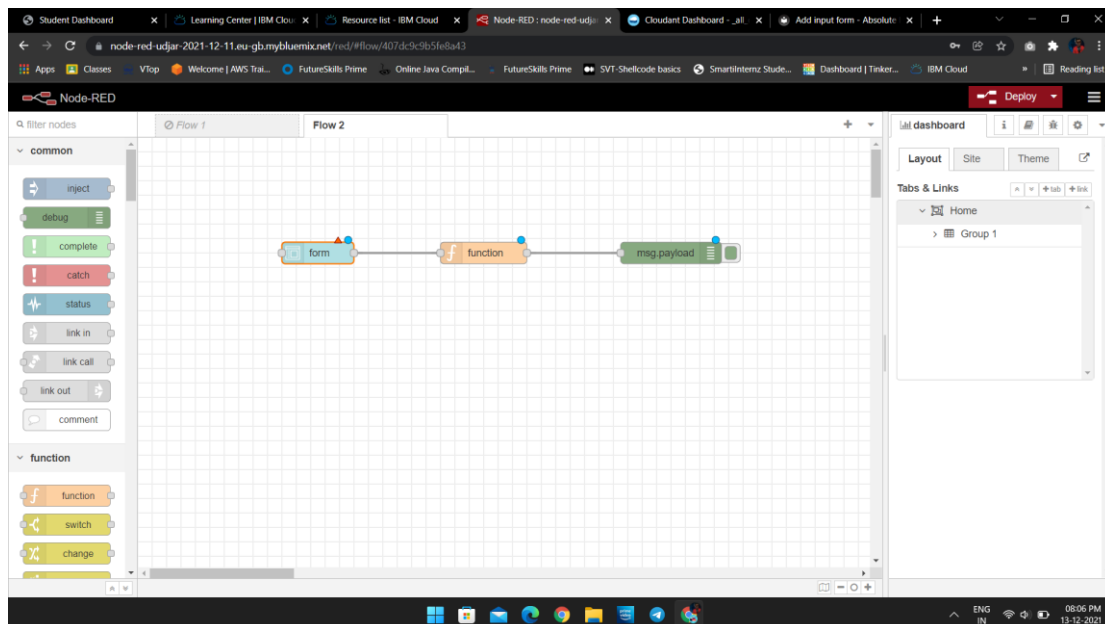you can use Form Nodes in dashboard nodes to take user input.

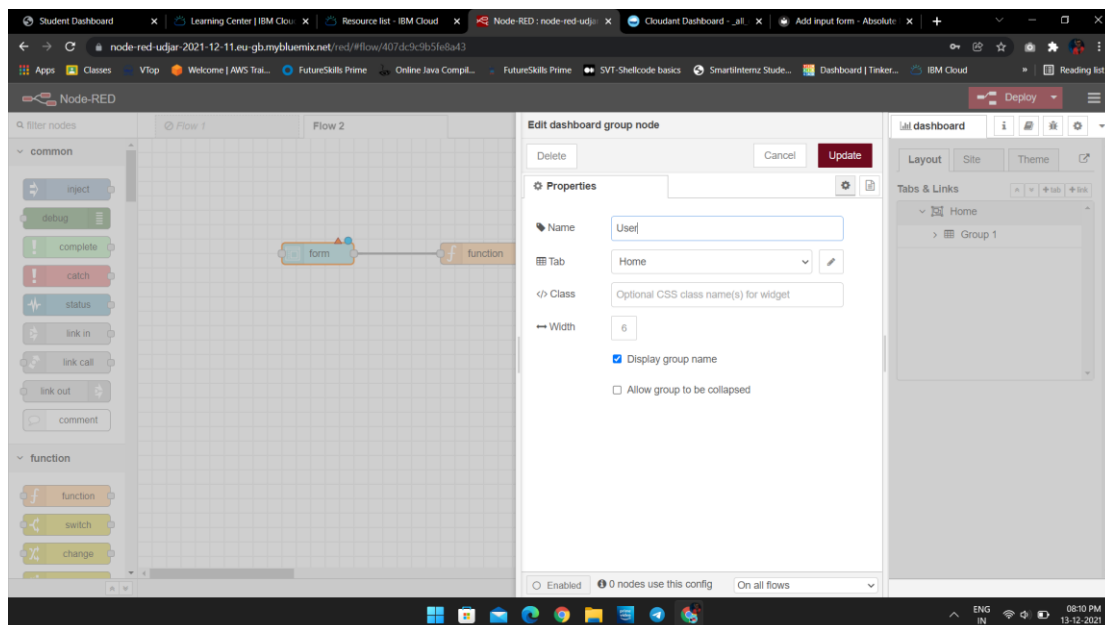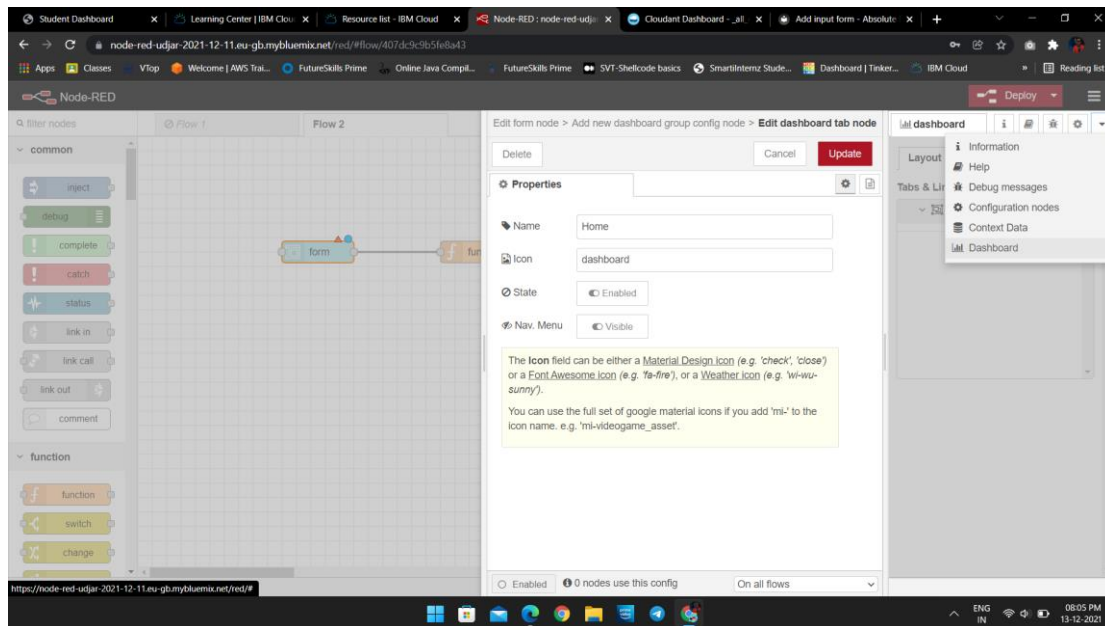1. For creating a Web Dashboard install **node-red-dashboard** available in the Pallets.

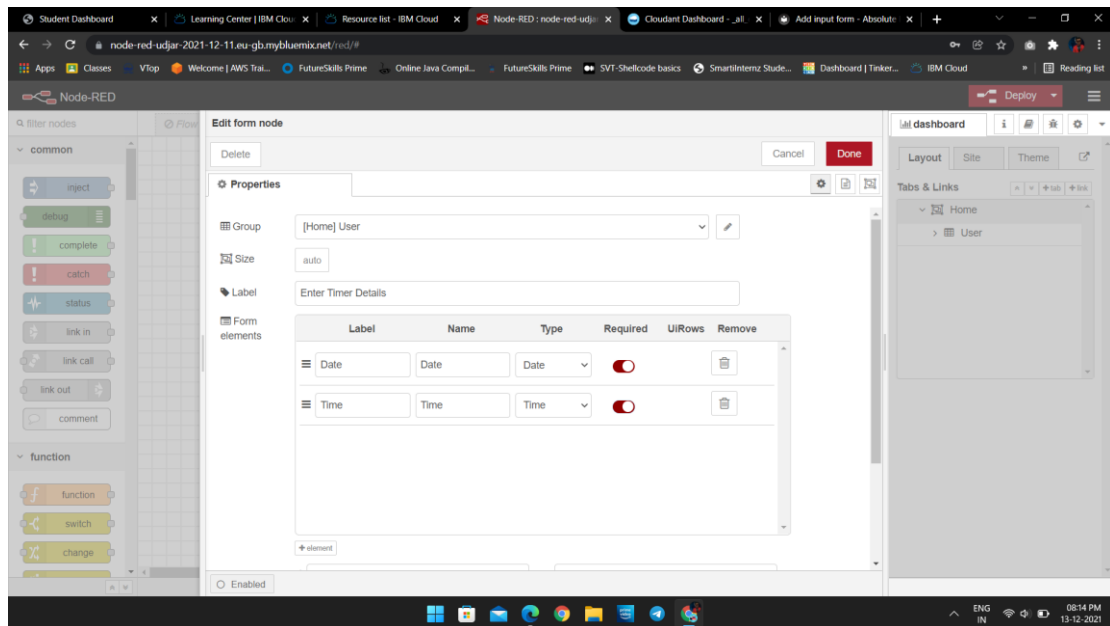## 2. Add a **ui_form** to a function and then attach it to a debug.

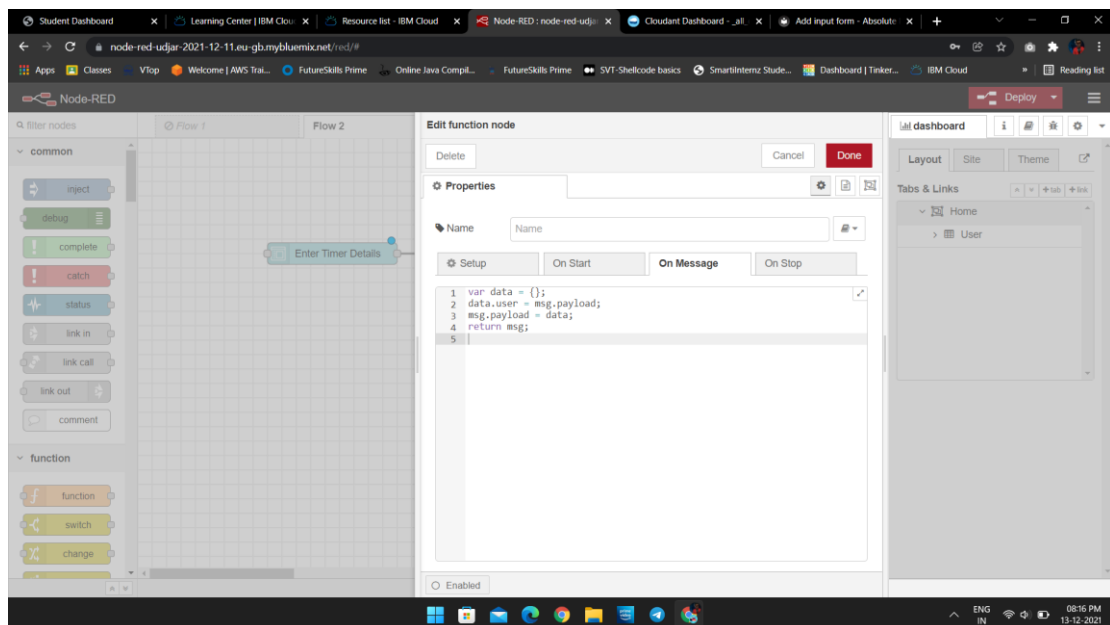## 3. For configuring the Dashboard open dashboard setting and select Layout the add a group named User.

4. To configure the form pallet double click and Update properties as shown.
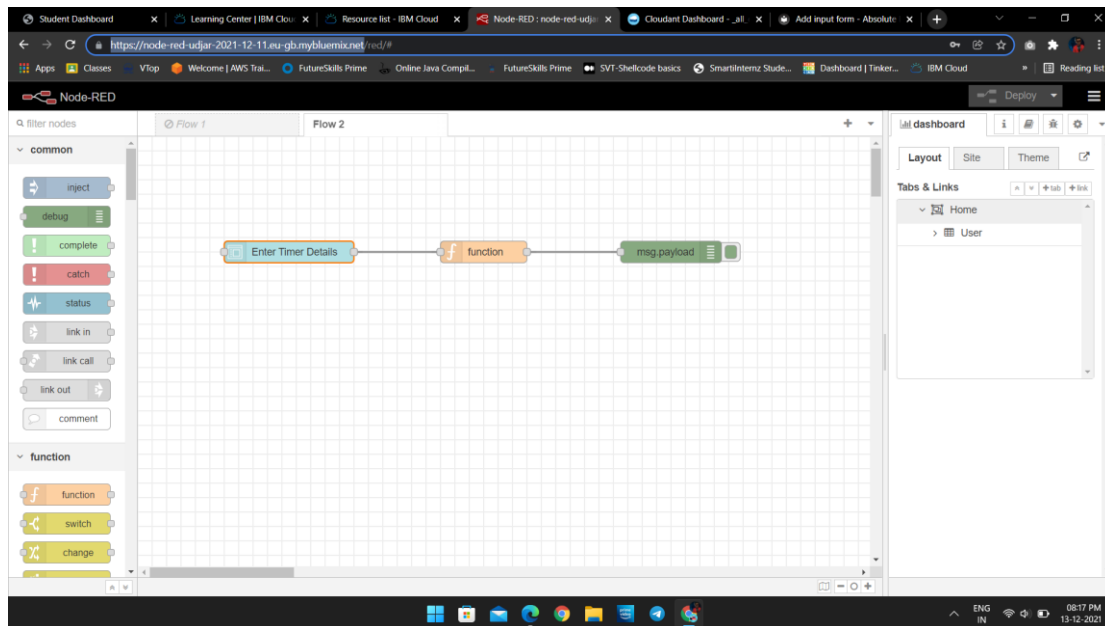
5. Add two form elements named date and time and credentials as shown.
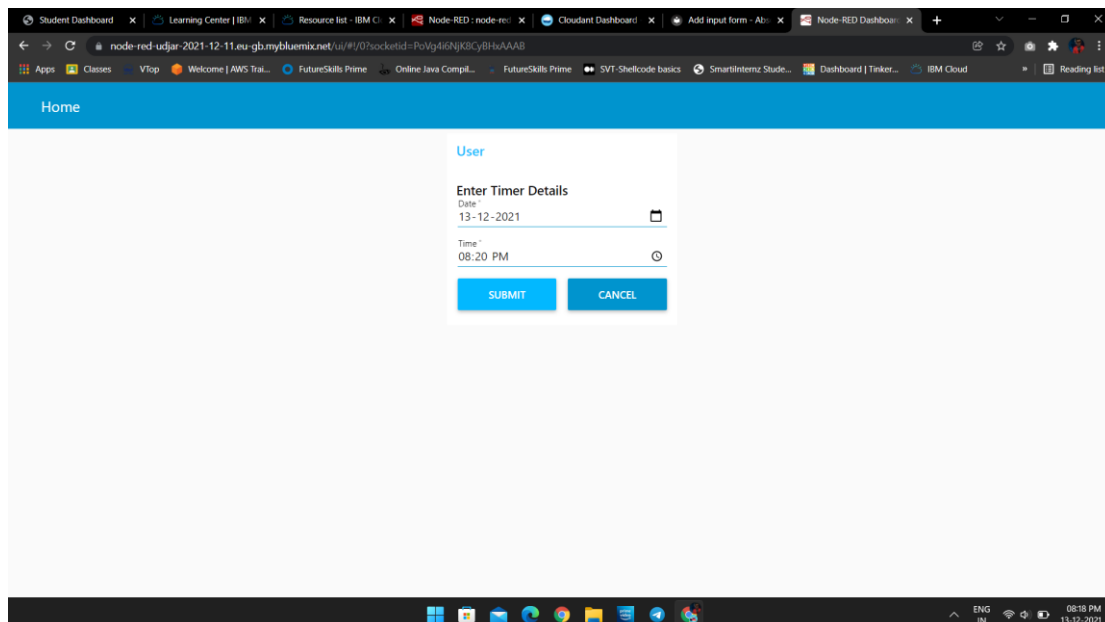

6. Add the following program to the Function Pallet and click on done. Now Deploy the flow and open the Debug Window(shell).
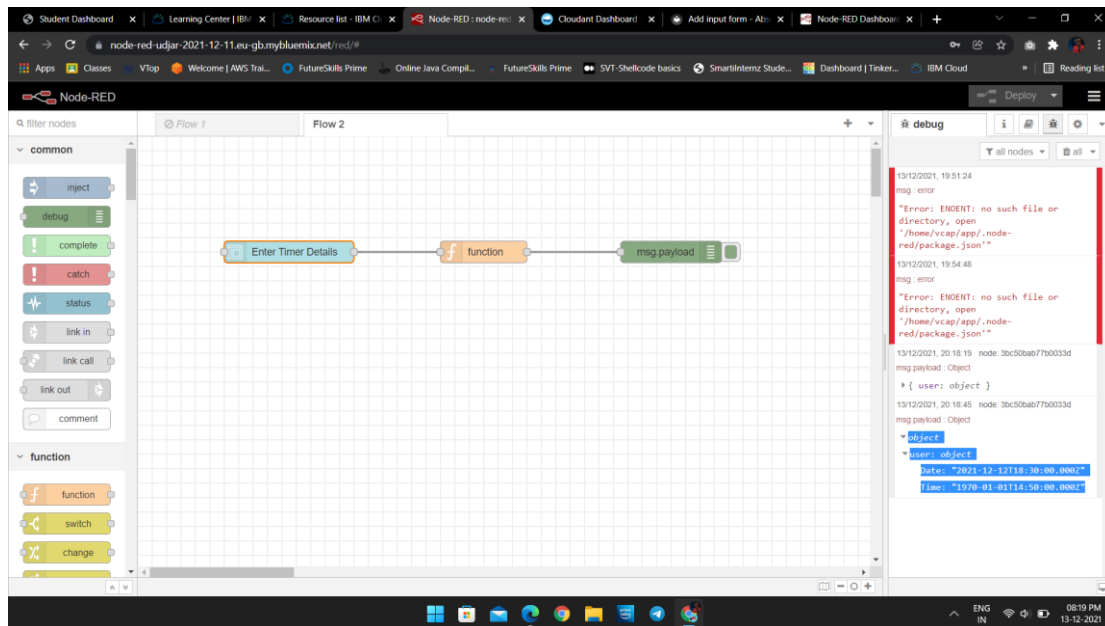
7. To observe the Output copy the URL of the Node-RED app till **.net** and paste it on a search engine add **ui** at the end.
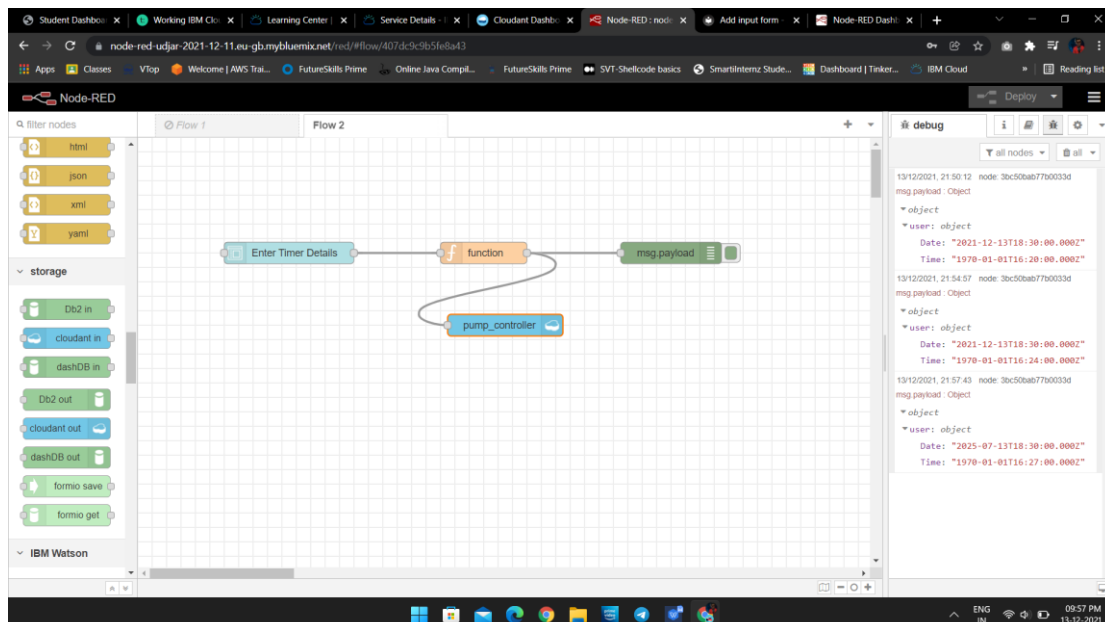

8. The Output Window should look like this where the date and time are accepted as Input.
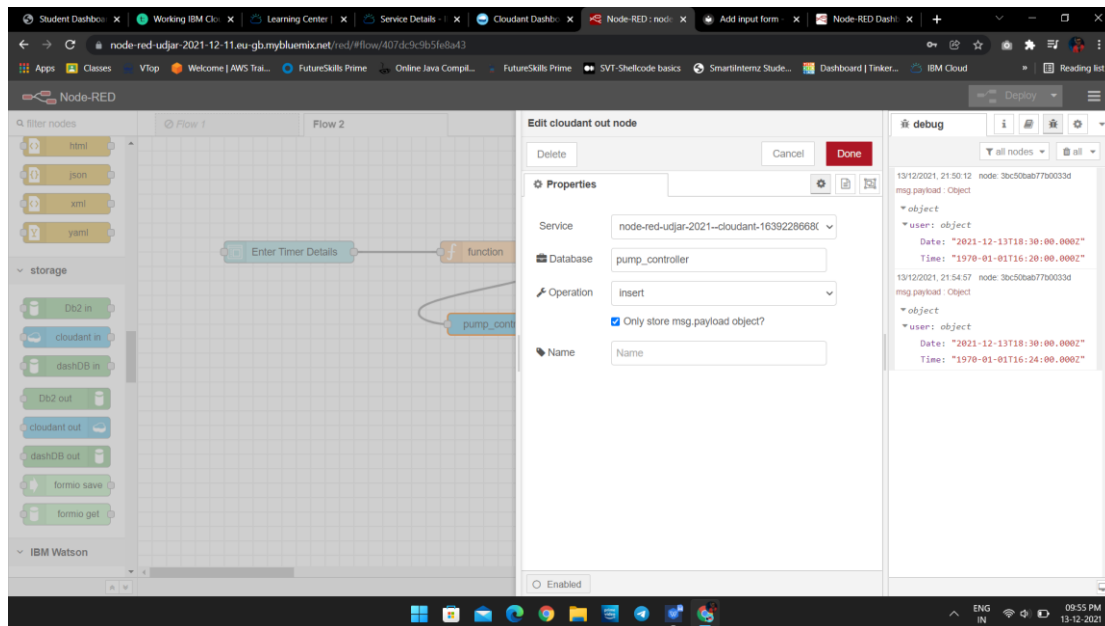
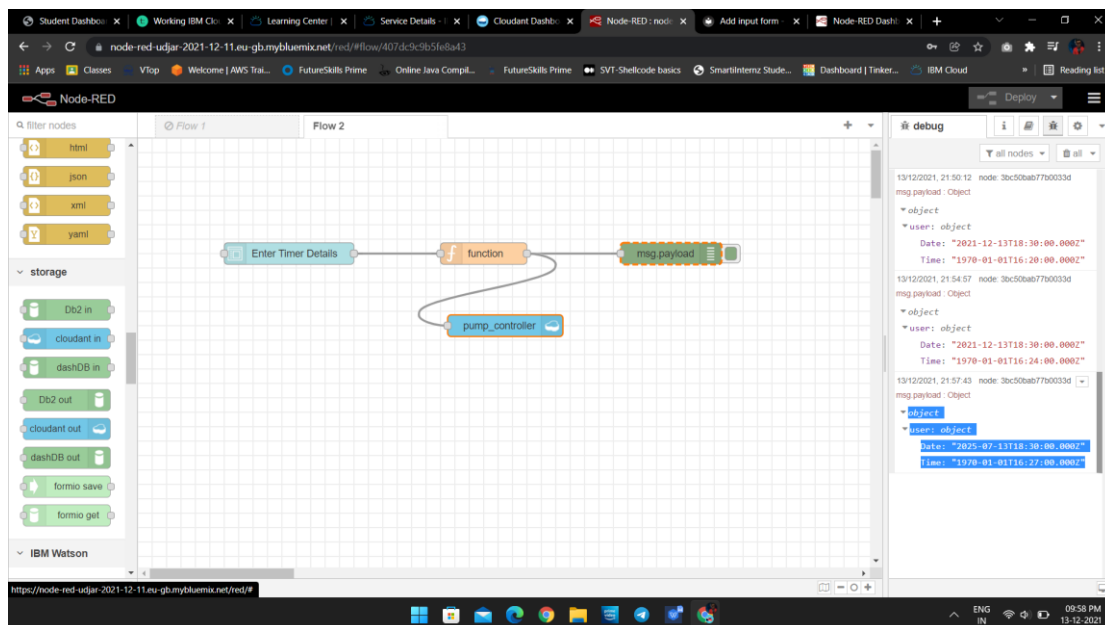9. If we press the Submit Button the Output will be available in the shown format.

10. Attach a **cloudant out** pallet to send the data to Cloudant Database.

11. Configure the Cloudant Out Node with insert Operation and click on Done.

12. Now if you Go to the Dashboard and Send data to Node-RED application, the the Output on the debug screen will be as below.

13. And the corresponding data will be saved in the Cloudant Database as shown.