CREATE A WEB APPLICATION USING NODE RED

Date	1st November 2022
Team ID	PNT2022TMID12810
Project Name	SmartFarmer – IoT Enabled Farming Application
Submitted by	Tharun G
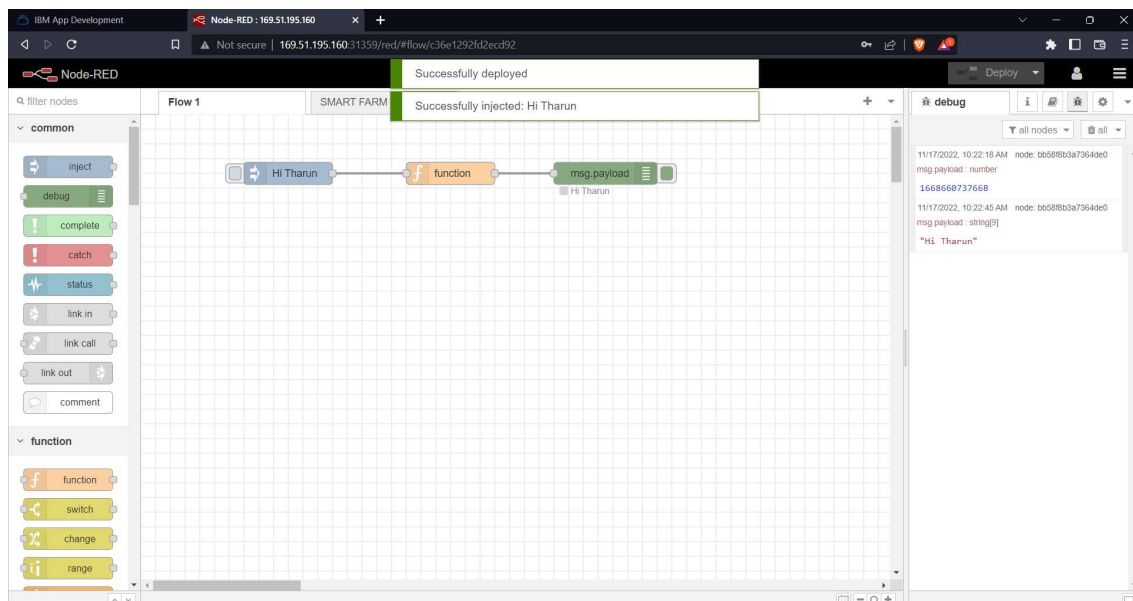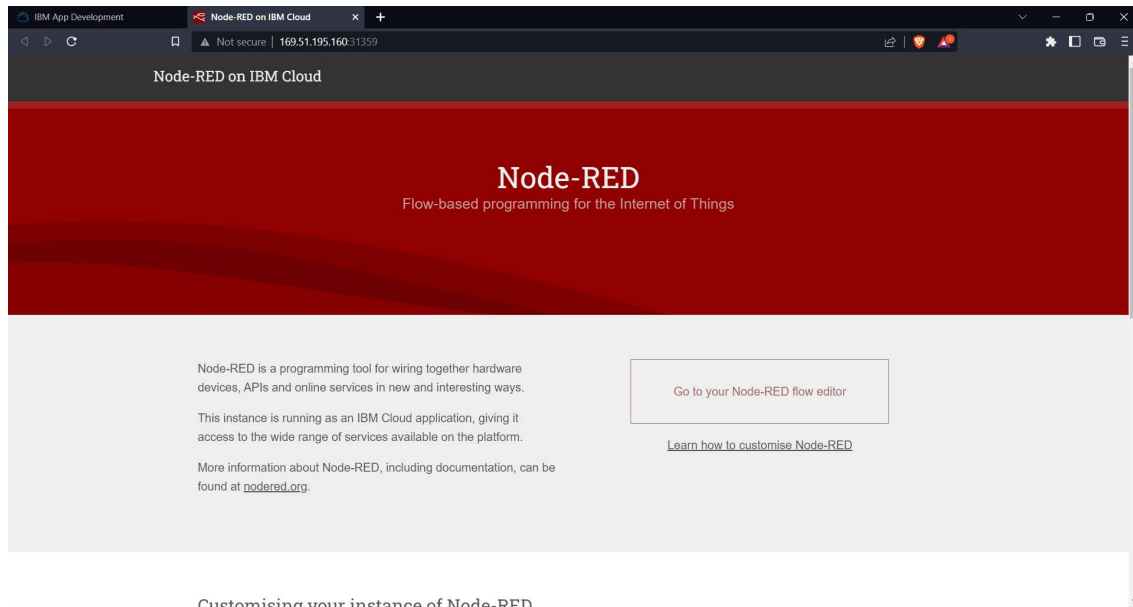
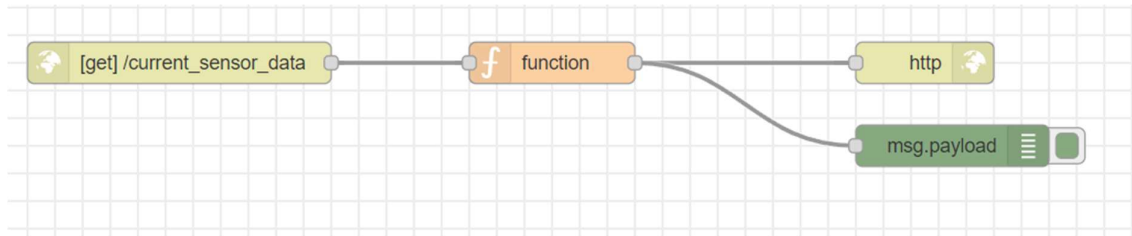The following screenshots show the retrieval of data (temperature and humidity) from IBM cloud

(output in debug window)

: msg.payload : Object

▶ { Temperature: 28.5, Humidity: 42 }

11/17/2022, 9:08:34 PM   node: f2f2649a.0d0d98

iot-
2/type/ESP32/id/24_0A_C4_00_01_10/evt/Data/fmt/json
: msg.payload : Object

▶ { Temperature: 28.5, Humidity: 42 }

11/17/2022, 9:08:35 PM   node: f2f2649a.0d0d98

iot-
2/type/ESP32/id/24_0A_C4_00_01_10/evt/Data/fmt/json
: msg.payload : Object

▶ { Temperature: 28.5, Humidity: 42 }

11/17/2022, 9:08:36 PM   node: f2f2649a.0d0d98

iot-
2/type/ESP32/id/24_0A_C4_00_01_10/evt/Data/fmt/json
: msg.payload : Object

▶ { Temperature: 28.5, Humidity: 42 }

11/17/2022, 9:08:37 PM   node: f2f2649a.0d0d98

iot-
2/type/ESP32/id/24_0A_C4_00_01_10/evt/Data/fmt/json
: msg.payload : Object

▶ { Temperature: 28.5, Humidity: 42 }

11/17/2022, 9:08:37 PM   node: f2f2649a.0d0d98

iot-
2/type/ESP32/id/24_0A_C4_00_01_10/evt/Data/fmt/json
: msg.payload : Object

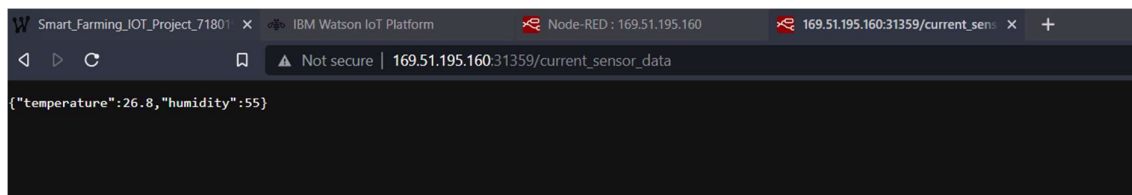▶ { Temperature: 28.5, Humidity: 42 }

CREATING AN URL TO GET TEMPERATURE AND HUMIDITY DATA FROM IBM CLOUD IN JSON FORMAT:

(Function written for parsing and structuring data)
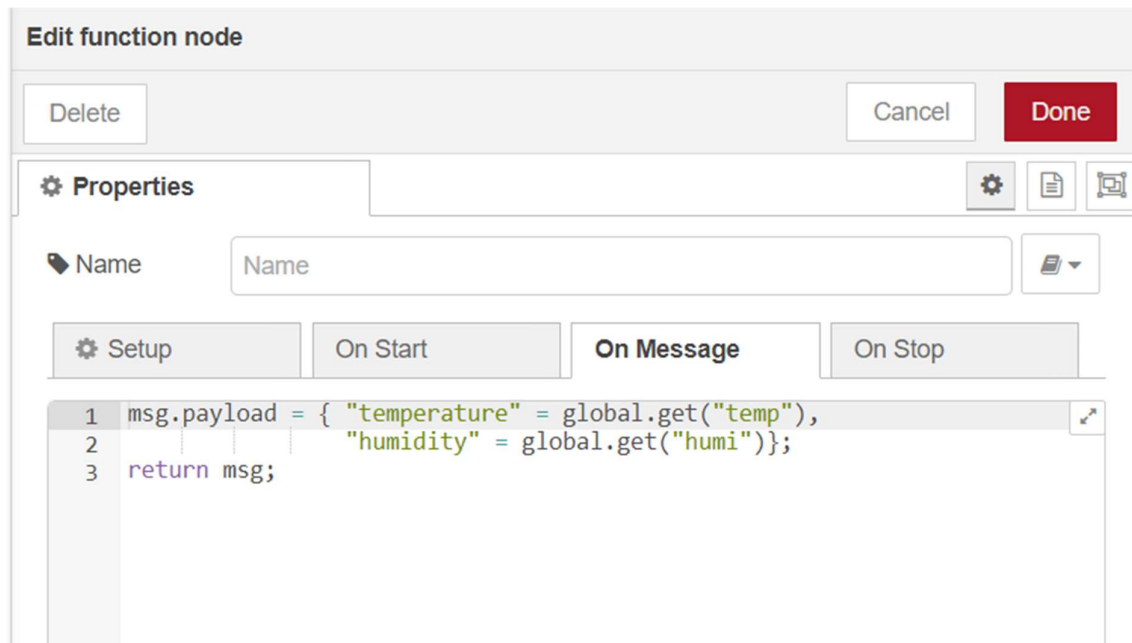
(Output in new window of browser)

When I entered the url in browser, it fetches the data (temperature and humidity) in JSON format.