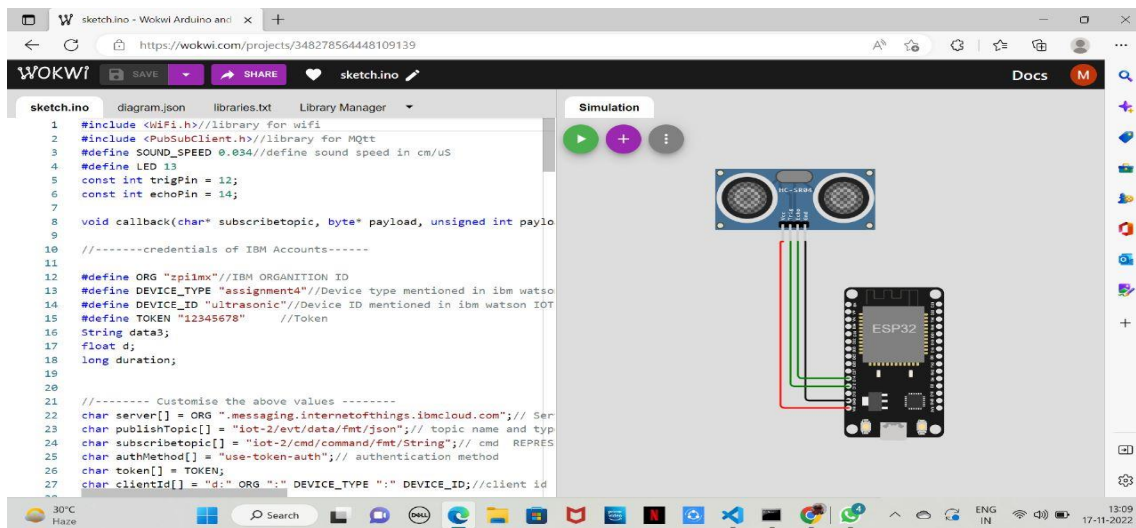


Assignment -4

Assignment Date	19 October 2022
Student Name	Mohamed Idris M
Student Roll Number	113119UG04058
Maximum Marks	2 Marks

Question:

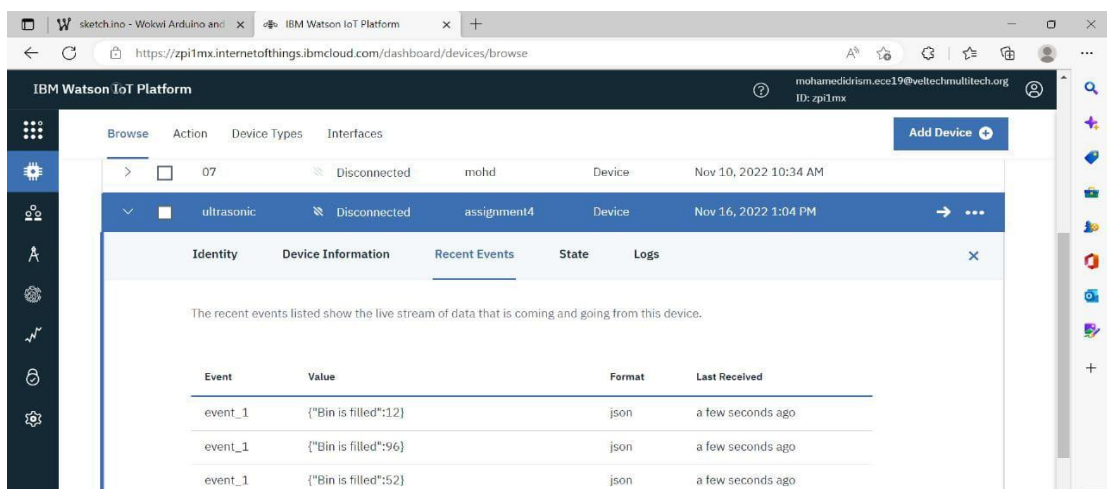
To design a circuit in Wokwi with ultrasonic sensor and send "Alert" to IBM cloud whenever the distance is less than 100cm



Alert sent to IBM IoT platform device's Recent Events

Wokwi simulator link:

<https://wokwi.com/projects/348278564448109139>



Node-RED interface showing a flow diagram with nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The flow includes function nodes (function 1, function 2, function 3) and output nodes like debug 1, gauge, http, and payload. The right sidebar shows configuration options for 'On all flows' and 'Flow 1'.

The interface displays a Node-RED flow editor with two tabs: 'Flow 1' and 'Flow 2'. The left sidebar shows a 'filter nodes' search bar and a list of nodes categorized under 'common' and 'function'. The main workspace shows a flow diagram with nodes connected by lines. The right sidebar shows a 'config' panel with tabs for 'all' and 'unused', and a section for 'On all flows' with various settings.

The flow diagram in 'Flow 1' includes the following nodes and connections:

- inject** node connected to **function 1**.
- function 1** connected to **debug 1** and **gauge**.
- [get] sensor** node connected to **function 2**.
- function 2** connected to **http**.
- Led ON** node connected to **http**.
- Led OFF** node connected to **http**.
- [get] command** node connected to **function 3**.
- function 3** connected to **http**.
- http** node connected to **payload**.

The right sidebar shows configuration options for 'On all flows' and 'Flow 1'. The 'On all flows' section includes settings for 'ibmiot', 'API' (3), 'Node-RED Dashboard', 'ui_base', 'ui_group', '[Assignment 4] Ult...' (2), '[Assignment 4] LED' (1), and 'Assignment 4' (2). The 'Flow 1' section is currently empty.