Assignment 4

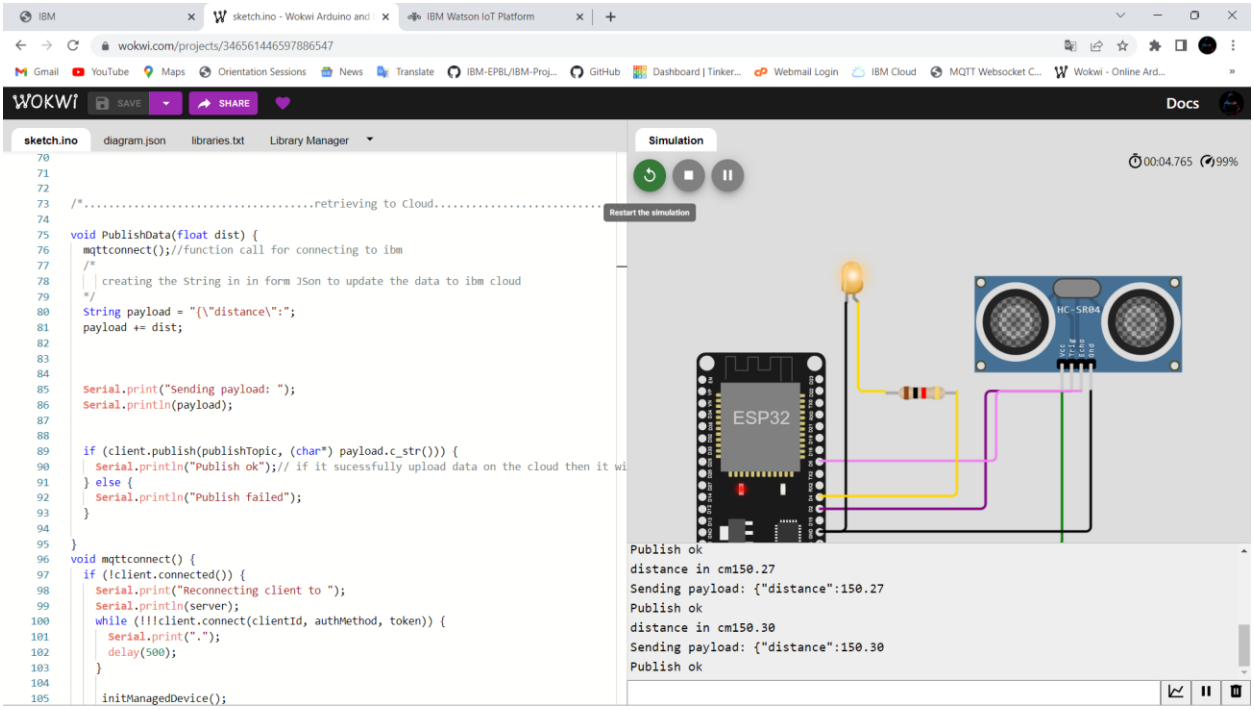
Student Name	**Siva Shankari K**
Student Roll Number	**511919106010**
Team ID	**PNT2022TMID40121**

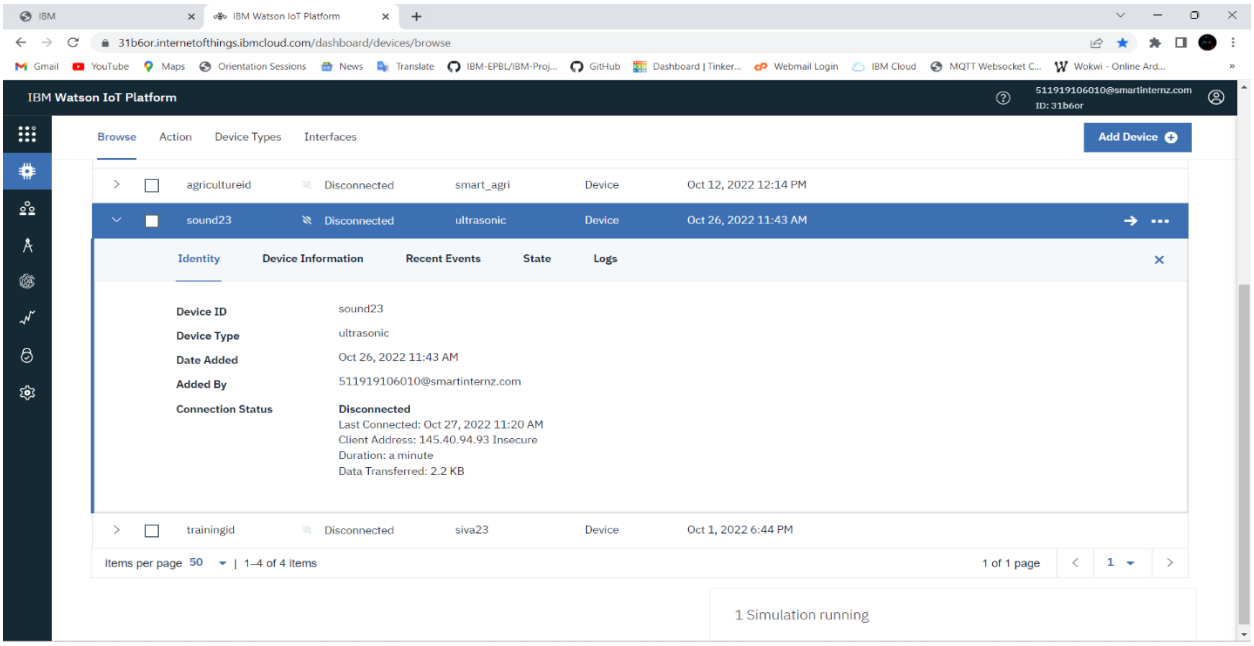
Question:

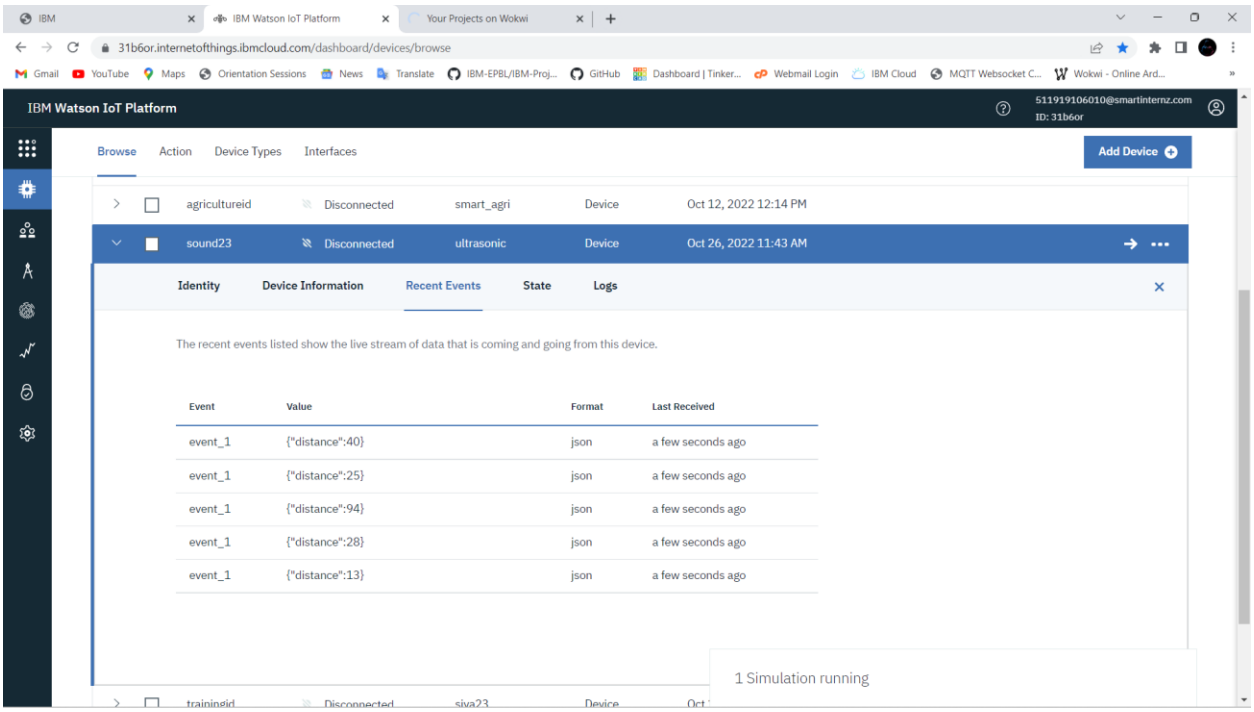
Write a code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100 cms "send" alert to IBM Cloud and display in device recent events.

Solution:

Wokwi Project : https://wokwi.com/projects/346561446597886547




IBM
IBM Watson IoT Platform
31b6or.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
511919106010@smartinternz.com
ID: 31b6or
Browse
Action
Device Types
Interfaces
Add Device
agricultureid Disconnected smart_agri Device Oct 12, 2022 12:14 PM
sound23 Disconnected ultrasonic Device Oct 26, 2022 11:43 AM
Identity
Device Information
Recent Events
State
Logs
Device ID sound23
Device Type ultrasonic
Date Added Oct 26, 2022 11:43 AM
Added By 511919106010@smartinternz.com
Connection Status Disconnected
Last Connected: Oct 27, 2022 11:20 AM
Client Address: 145.40.94.93 Insecure
Duration: a minute
Data Transferred: 2.2 KB
trainingid Disconnected siva23 Device Oct 1, 2022 6:44 PM
Items per page 50 | 1–4 of 4 items
1 of 1 page
1 Simulation running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31b6or.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
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ID: 31b6or
Browse
Action
Device Types
Interfaces
Add Device
agricultureid Disconnected smart_agri Device Oct 12, 2022 12:14 PM
sound23 Disconnected ultrasonic Device Oct 26, 2022 11:43 AM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event Value Format Last Received
event_1 {"distance":40} json a few seconds ago
event_1 {"distance":25} json a few seconds ago
event_1 {"distance":94} json a few seconds ago
event_1 {"distance":28} json a few seconds ago
event_1 {"distance":13} json a few seconds ago
1 Simulation running