ASSIGNMENT - 4

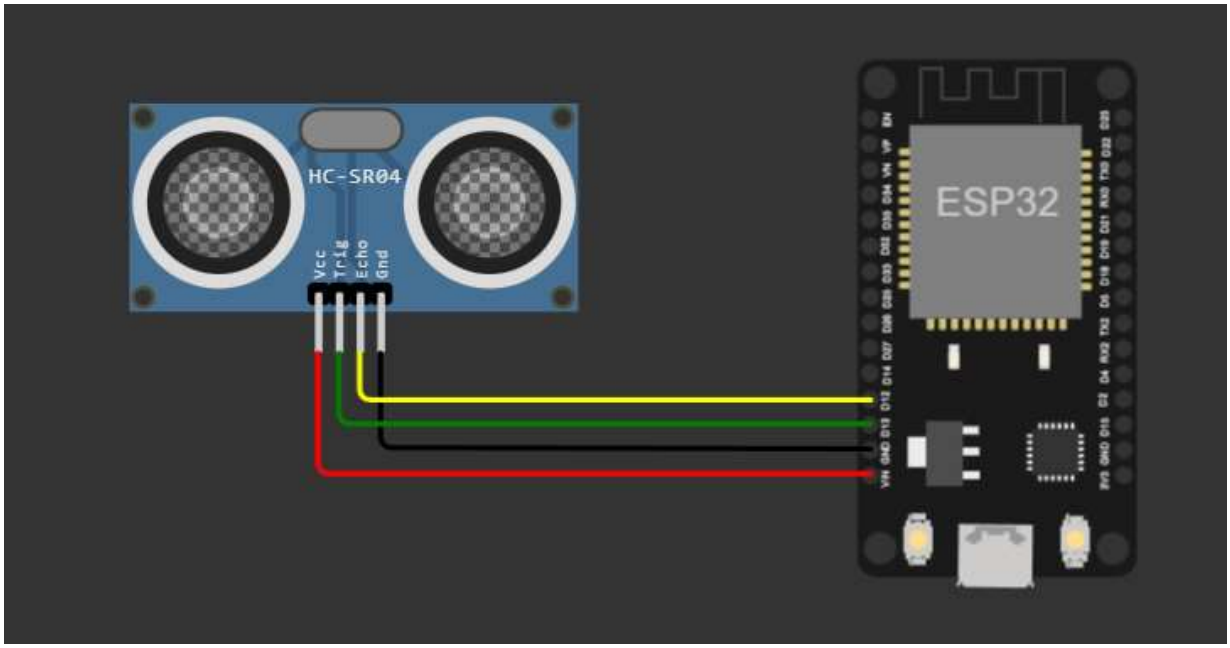
Date	19 September 2022
Team ID	PNT2022TMID21342
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Objective:

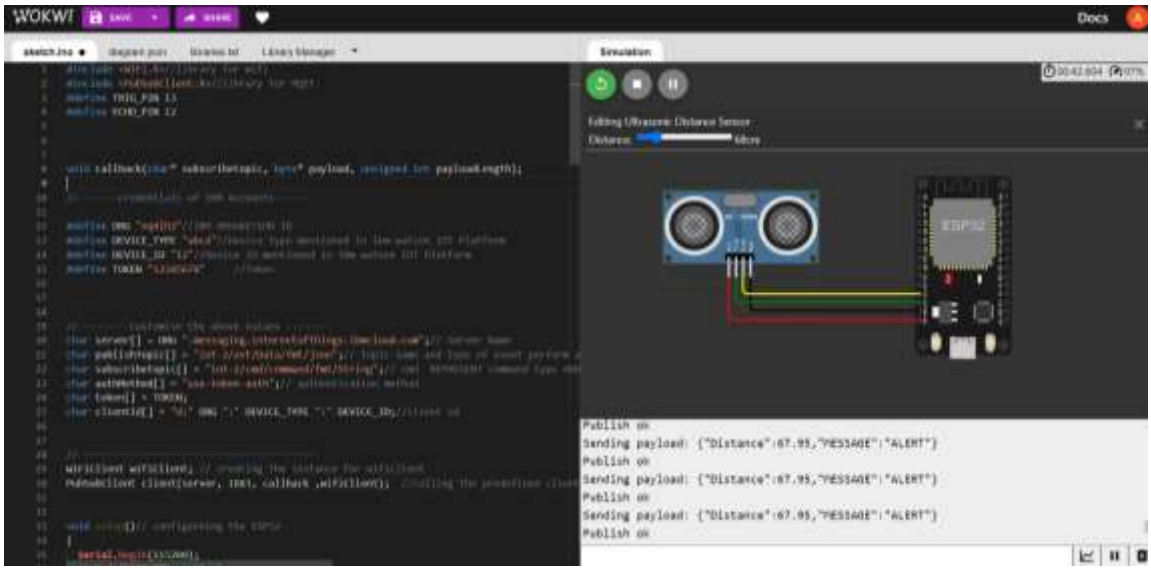
Write code and connections in wokwi for the ultrasonic sensor. Whenever the distance is less than 100 cms send an "alert" to the IBM cloud and display in the device recent events.

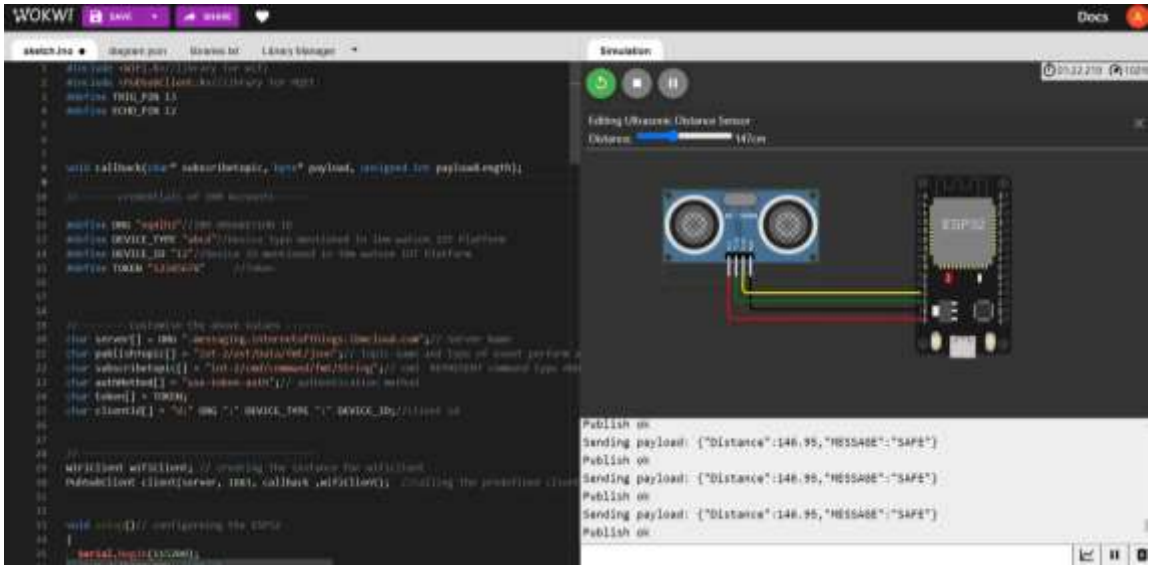
Circuit Diagram:

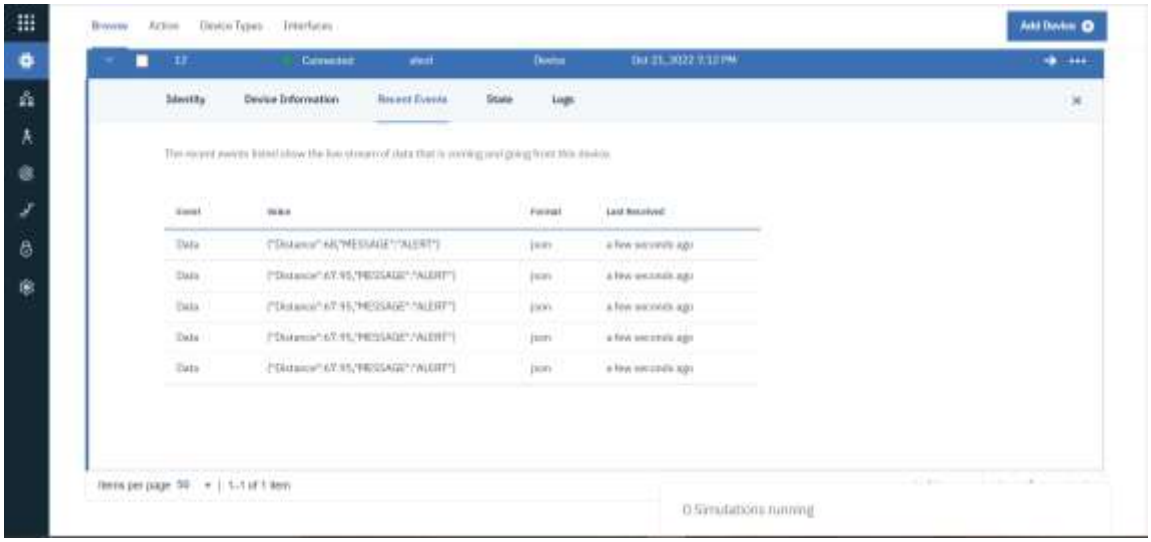
Link: https://wokwi.com/projects/346824939389583954

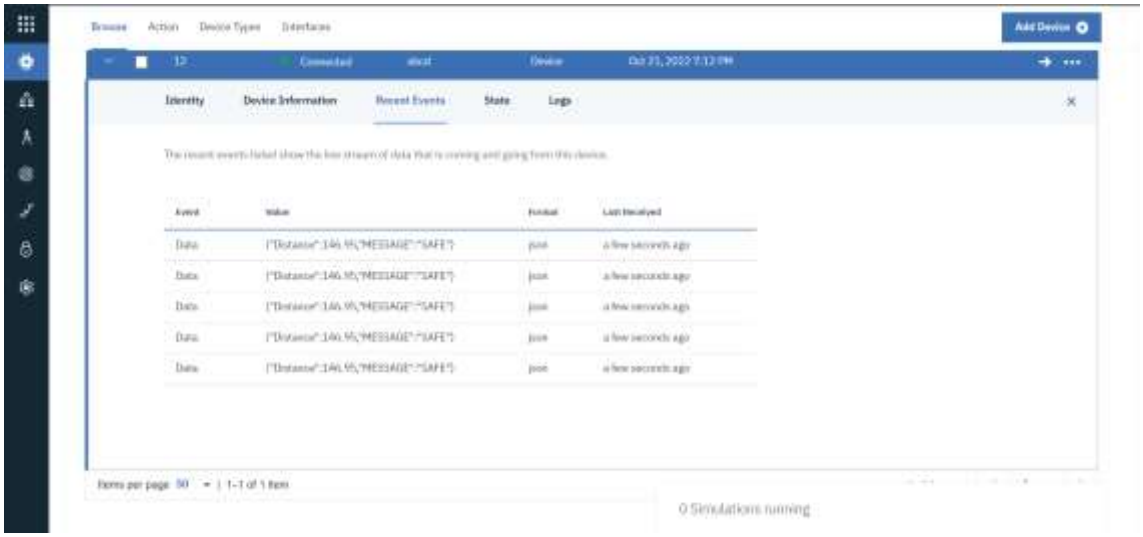


OUTPUT:


WOKWI
Docs
Simulation
Publish ok
Sending payload: {"Distance":67.95,"MESSAGE":"ALERT"}
Publish ok
Sending payload: {"Distance":67.95,"MESSAGE":"ALERT"}
Publish ok
Sending payload: {"Distance":67.95,"MESSAGE":"ALERT"}
Publish ok


WOKWI
Docs
Simulation
Publish ok
Sending payload: {"Distance":146.95,"MESSAGE":"SAFE"}
Publish ok
Sending payload: {"Distance":146.95,"MESSAGE":"SAFE"}
Publish ok
Sending payload: {"Distance":146.95,"MESSAGE":"SAFE"}
Publish ok


Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Recent Events
State
Logs
Event
Value
Format
Last Received
Data
json
items per page: 50
1–1 of 1 item
0 Simulations running


Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Recent Events
State
Logs
Event
Value
Format
Last Received
Data
json
items per page: 50
1–1 of 1 item
0 Simulations running