

Assignment -4

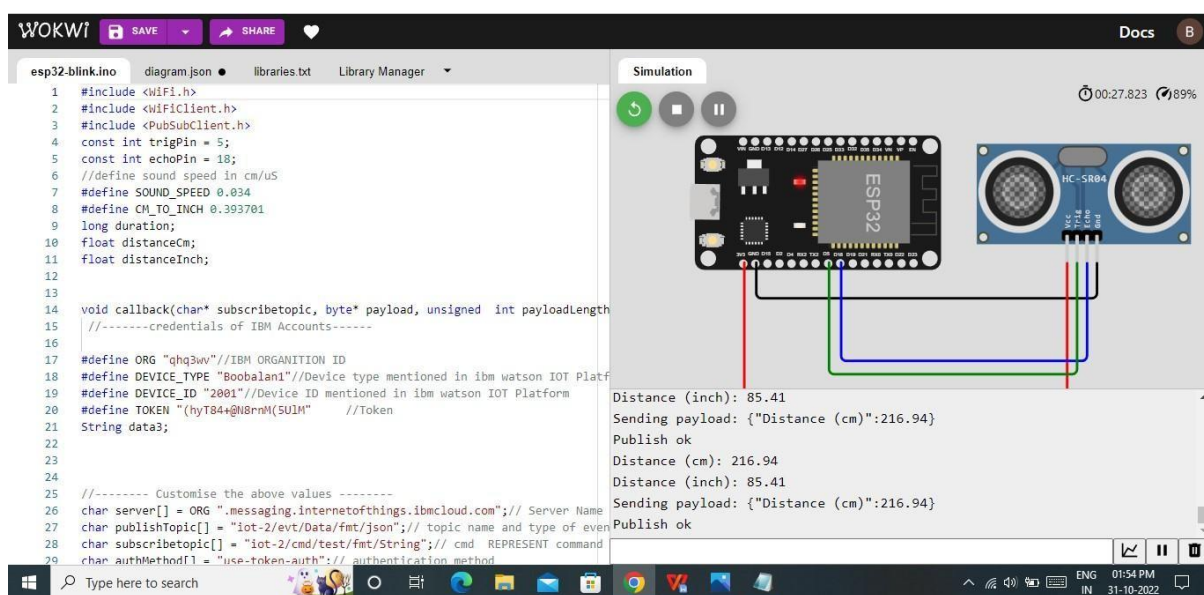
Assignment Date	31 October 2022
Student Name	Praveenkumar M
Student Roll Number	620119104073
Maximum Marks	2 Marks

Question:

Write 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. Upload document with wokwi share link and images of ibm cloud.

Solution:

Wokwi link: <https://wokwi.com/projects/347020481393590867>



Images of ibm cloud:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A user profile is visible in the top right corner with the email '2k19ece008@kioi.ac.in' and ID 'ghg3wv'. The main content area is titled 'Recent Events' and shows a table of live data streams. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The data shows five entries, all with the value '{"Distance (cm)":216.94}' and format 'json', received 'a few seconds ago'. A status box at the bottom right indicates '0 Simulations running'. The Windows taskbar at the bottom shows the search bar and various application icons.

IBM Watson IoT Platform

2k19ece008@kioi.ac.in
ID: ghg3wv

Browse Action Device Types Interfaces

Add Device +

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
Data	{"Distance (cm)":216.94}	json	a few seconds ago
Data	{"Distance (cm)":216.94}	json	a few seconds ago
Data	{"Distance (cm)":216.94}	json	a few seconds ago
Data	{"Distance (cm)":216.94}	json	a few seconds ago
Data	{"Distance (cm)":216.94}	json	a few seconds ago

0 Simulations running

Type here to search

ENG IN 01:40 PM 31-10-2022