

## Assignment -4

### Wokwi and IBM cloud connection

Assignment Date	17 October 2022
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Maximum Marks	2 Marks

#### Question-1:

Write code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100cms 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/346232223456527188>

IBM cloud image:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for Browse, Action, Device Types, and Interfaces. The main content area shows the 'Recent Events' tab for a specific device. A table lists five recent events, each with an event ID, a JSON value representing distance, the format (json), and the time received. The events show distances of 77, 10, 20, 19, and 34 cm. A status box at the bottom right indicates '0 Simulations running'.

Event	Value	Format	Last Received
event_1	{"distance":77}	json	a few seconds ago
event_1	{"distance":10}	json	a few seconds ago
event_1	{"distance":20}	json	a few seconds ago
event_1	{"distance":19}	json	a few seconds ago
event_1	{"distance":34}	json	a few seconds ago