

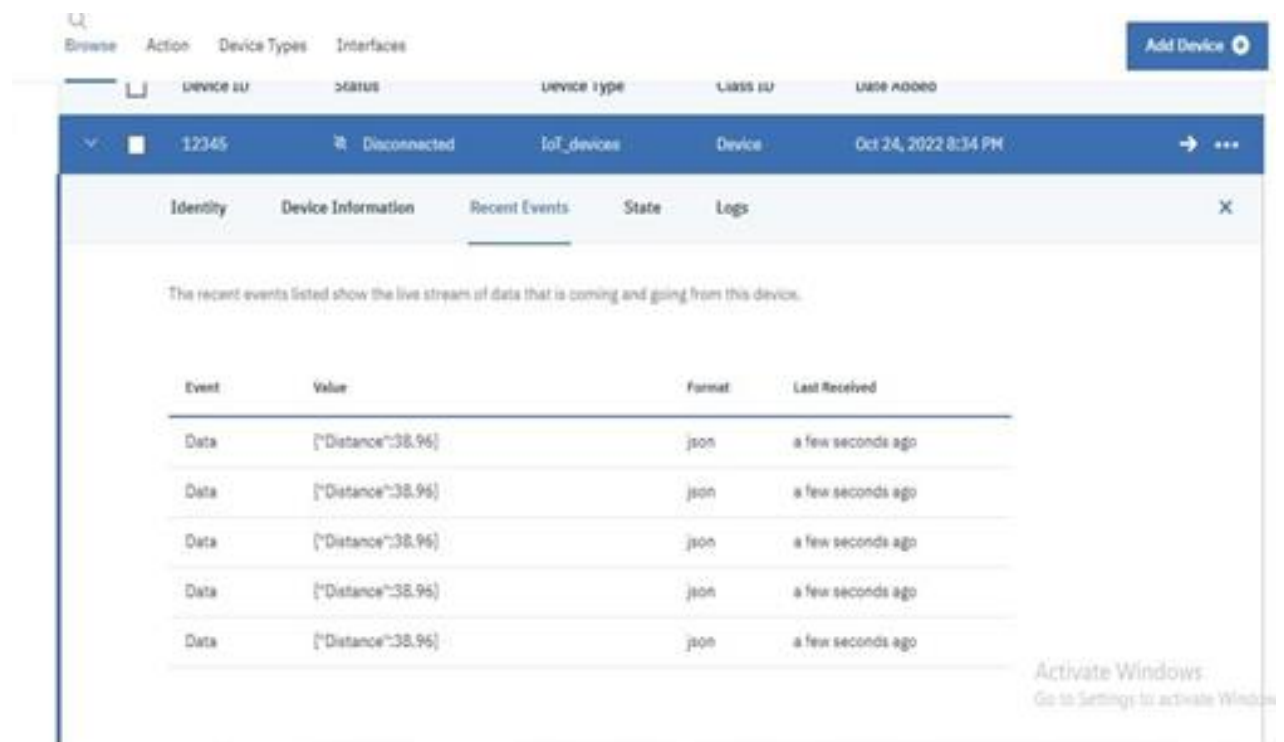
ASSIGNMENT 4

1) Write code and connection 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. Upload document with wokwi share link and images of IBM cloud.

Wokwi link:

<https://wokwi.com/projects/347849759633965650>

OUTPUT :



The screenshot displays the Wokwi IoT device interface. At the top, there's a navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces'. A table lists devices with columns: Device ID, Status, Device Type, Class ID, and Date Added. The selected device is ID 12345, status 'Disconnected', type 'IoT_devices', class 'Device', added on 'Oct 24, 2022 8:34 PM'. Below this, tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs' are shown. The 'Recent Events' tab is active, displaying a message: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this is a table with columns: Event, Value, Format, and Last Received. It contains five entries, all labeled 'Data' with a value of '{"Distance":38.96}', format 'json', and received 'a few seconds ago'. An 'Add Device' button is in the top right. A Windows watermark is visible in the bottom right corner.

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	IoT_devices	Device	Oct 24, 2022 8:34 PM

Event	Value	Format	Last Received
Data	{"Distance":38.96}	json	a few seconds ago
Data	{"Distance":38.96}	json	a few seconds ago
Data	{"Distance":38.96}	json	a few seconds ago
Data	{"Distance":38.96}	json	a few seconds ago
Data	{"Distance":38.96}	json	a few seconds ago