

Assignment – 4 (ESP32 programming in Wokwi)

Assignment Date	17 October 2022
Student Name	K Lubna
Student Roll Number	212619106002
Maximum Marks	2 Marks

Question – 1

Write code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100 cms send “alert” to IBM cloud and display in recent events. Upload document with Wokwi share link and images of IBM cloud.

Wokwi Link:

<https://wokwi.com/projects/346783498804134483>

OUTPUT (IBM screenshots):

Search by Device ID		Device Simulator		101	
<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	
▼	<input type="checkbox"/> 1234	Connected	Lubna	Device	→ ...
Identity					
Device Information					
Recent Events					
State					
Logs					
✕					
Device ID		1234			
Device Type		Lubna			
Date Added		Oct 29, 2022 1:00 PM			
Added By		lubna05072002@gmail.com			
Connection Status		Connected			
		Connection Time: Oct 29, 2022 3:00 PM			
		Client Address: 145.40.94.93 Insecure			

The recent events listed show the live stream of data that is coming and going from this device.

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Event	Value	Format	Last Received
status	{"d":{"Name":"1234","Alert":0}}	json	a few seconds ago
status	{"d":{"Name":"1234","Alert":0}}	json	a few seconds ago
status	{"d":{"Name":"1234","Alert":0}}	json	a few seconds ago
status	{"d":{"Name":"1234","Alert":0}}	json	a few seconds ago
status	{"d":{"Name":"1234","Alert":0}}	json	a few seconds ago