

**Assignment – 4**  
**(ESP32 programming in Wokwi)**

Date	17 October 2022
Student name	DAISY DEEPIKA N
Student Roll No.	212619104002
Project Name	PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT USING IoT TECHNOLOGY
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/346869373639590482>

**OUTPUT(IBM Screenshots):**

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. A device named 'daisy' is listed with a status of 'Connected' and a device type of 'daisydeepika'. Below this, a 'Recent Events' tab is selected, showing a table of events with columns: Event, Value, Format, and Last Received. The events table contains five rows of data, all with a status of 'status' and a format of 'json'.

Event	Value	Format	Last Received
status	{"d":{"Name":"daisy","Alert":17.12}}	json	a few seconds ago
status	{"d":{"Name":"daisy","safe ":392.39}}	json	a few seconds ago
status	{"d":{"Name":"daisy","Alert":20.12}}	json	a few seconds ago
status	{"d":{"Name":"daisy","safe ":134.11}}	json	a few seconds ago
status	{"d":{"Name":"daisy","safe ":403.47}}	json	a few seconds ago

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
▼	 daisy	 Connected	daisydeepika	Device	Oct 29, 2022 9:26 PM	→ ...
Identity    Device Information <u>Recent Events</u> 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			
status	{"d":{"Name":"daisy","Alert":17.12}}	json	a few seconds ago			
status	{"d":{"Name":"daisy","safe ":392.39}}	json	a few seconds ago			
status	{"d":{"Name":"daisy","Alert":20.12}}	json	a few seconds ago			
status	{"d":{"Name":"daisy","safe ":134.11}}	json	a few seconds ago			
status	{"d":{"Name":"daisy","safe ":403.47}}	json	a few seconds ago			