

ASSIGNMENT-4

Team ID	PNT2022TMID21463
Topic	Gas leakage monitoring and alerting system for industries

Task:

Write code and connections in wokwi for the ultrasonic sensor.

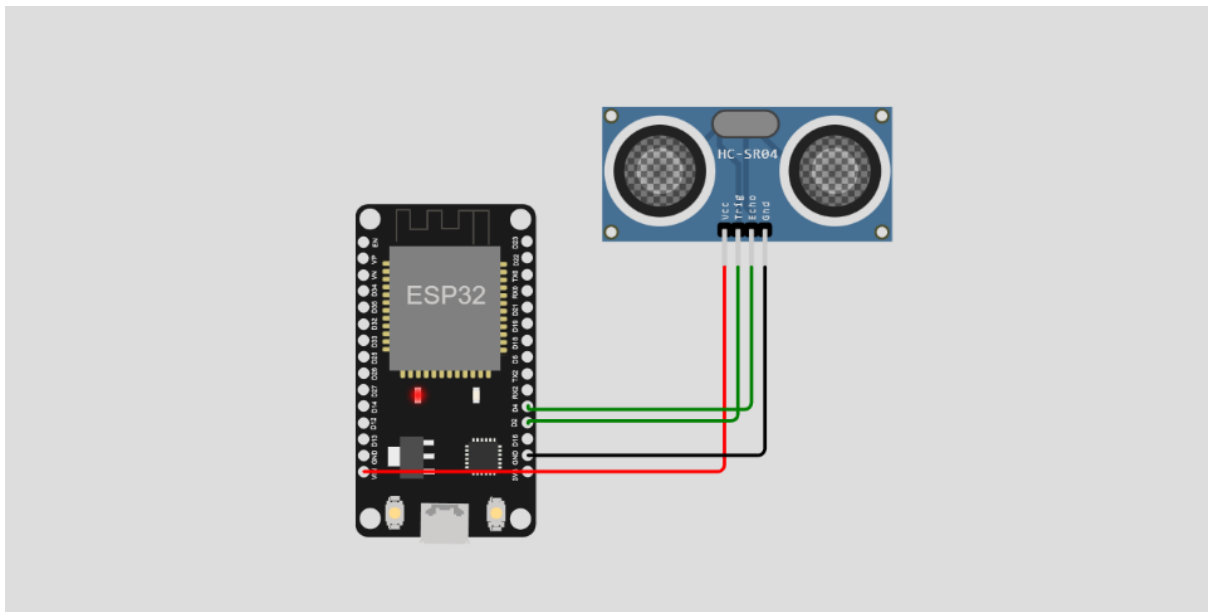
Whenever the distance is less than 100 cms send an "alert" to the IBM cloud and display in the device recent events.

Upload document with wokwi share link and images of IBM cloud

Wokwi share link:

<https://wokwi.com/projects/322410731508073042>

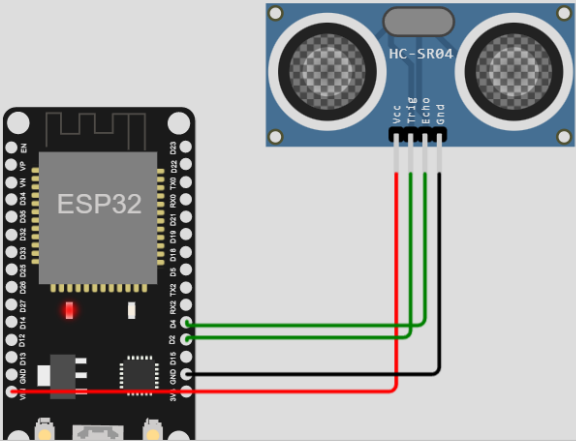
Connections:



Wokwi output:

Simulation

00:35.865 103%



```
cloud
Publish ok
Distance from obstacle: 73.61
ALERT!!! Distance less than 100cm...
Sending payload: {"Distance":73.61,"ALERT!!":"Distance less than 100cms"}to IBM
cloud
Publish ok
```

IBM Cloud output:

IBM Watson IoT Platform

shamuhame@student.tce.edu ID: lltq219

Browse Action Device Types Interfaces

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123456789	Connected	shan	Device	Oct 29, 2022 10:04 PM	

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":73.61,"ALERT!!":"Distance less than ...	json	a few seconds ago

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