| DATE | 28<sup>TH</sup> OCTOBER2022 |
| --- | --- |
| STUDENT NAME | Vignesh R |
| STUDENT ROLL NO | 210919106112 |
| MAXIMUM MARKS | 2 MARKS |
| | |

## QUESTION:

WRITE A CODE AND CONNECTIONS IN WOKWI FOR ULTRASONIC SENSOR.WHENEVER DISTANCE IS LESS THAN 100 CMS SEND ALERT TO IBM CLOUD AND DISPLAY IN DEVICE EVENTS.
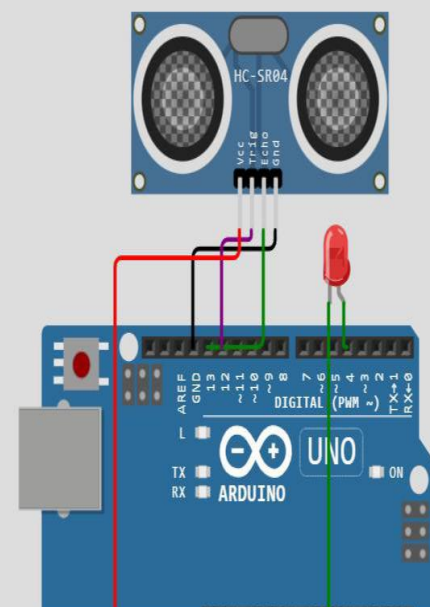
## ANSWER :

## WOKWI :

# IBM CLOUD

Add Device ⊕

| | | Device ID | Status | Device Type | Class ID | Date Added | Descriptive Location |
|---|---|---|---|---|---|---|---|
| › | ☐ | 123 | ⊘ Disconnected | hp1501 | Device | Oct 11, 2022 10:32 PM | |
| ⌄ | ☐ | 1234 | ⊘ Disconnected | assign4hp | Device | Oct 26, 2022 8:12 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 |
|---|---|---|---|
| event_1hp | {"distance":30} | json | a few seconds ago |
| event_1hp | {"distance":28} | json | a few seconds ago |
| event_1hp | {"distance":48} | json | a few seconds ago |
| event_1hp | {"distance":76} | json | a few seconds ago |
| event_1hp | {"distance":59} | json | a few seconds ago |

1 Simulation running

ID: lhkjly

‹   ultrasonic                                                     ♥   + Add New Card    📋 Paste Card    ⚙ Settings

⚙ Line chart                                                     ⋯

```
80

60

40

20

 0
   21:42      21:43      21:44      21:45      21:46
```

5 minutes ▾                                                    now

● distance

1 Simulation running