

WOWKI LINK: <https://wokwi.com/projects/346826987081302611>

Code:

```
#define ECHO_PIN 2

#define TRIG_PIN 3

void setup() {
    Serial.begin(115200);
    pinMode(LED_BUILTIN, OUTPUT);
    pinMode(TRIG_PIN, OUTPUT);
    pinMode(ECHO_PIN, INPUT);
}

float readDistanceCM() {
    digitalWrite(TRIG_PIN, LOW);
    delayMicroseconds(2);
    digitalWrite(TRIG_PIN, HIGH);
    delayMicroseconds(10);
    digitalWrite(TRIG_PIN, LOW);
    int duration = pulseIn(ECHO_PIN, HIGH);
    return duration * 0.034 / 2;
}

void loop() {
    float distance = readDistanceCM();
    bool isNearby = distance < 100;
    digitalWrite(LED_BUILTIN, isNearby);
    Serial.print("Measured distance: ");
    Serial.println(readDistanceCM());
    delay(100);
}
```



# IBM Cloud

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. The main content area shows a table with one device, 'TAMIL', which is 'Disconnected' and of type 'SKDRTM'. A detailed view for this device is expanded, showing its identity and information.

Device ID	Status	Device Type	Class ID	Date Added
TAMIL	Disconnected	SKDRTM	Device	Oct 29, 2022 11:22 AM

  

Identity	Device Information	Recent Events	State	Logs
Device ID	TAMIL			
Device Type	SKDRTM			
Date Added	Oct 29, 2022 11:22 AM			
Added By	732119106039@smartinternz.com			
Connection Status	Disconnected			

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