Assignment-4

Assignment Date	25-10-2022
Student Name	D Komala
Student Roll Number	510119205007
Maximum Marks	2 Marks

Question:

Write a code and connection in wokwi for ultrasonic sensor.whenever distance is less than 100cms send "Alert"

Solution:

```
Int const trigpin=10;

Int const echopin=9;

Int const buzzpin=2;

Voidsetup()

{

pinMode(trigpin,OUTPUT);

pinMode(echopin,INPUT);

pinMode(buzzpin,OUTPUT);

}

Voidloop()

{

Int duration,distance;

digitalWrite(trigpin,HIGH);

delay(1);

digitalWrite(trigpin,LOW);
```
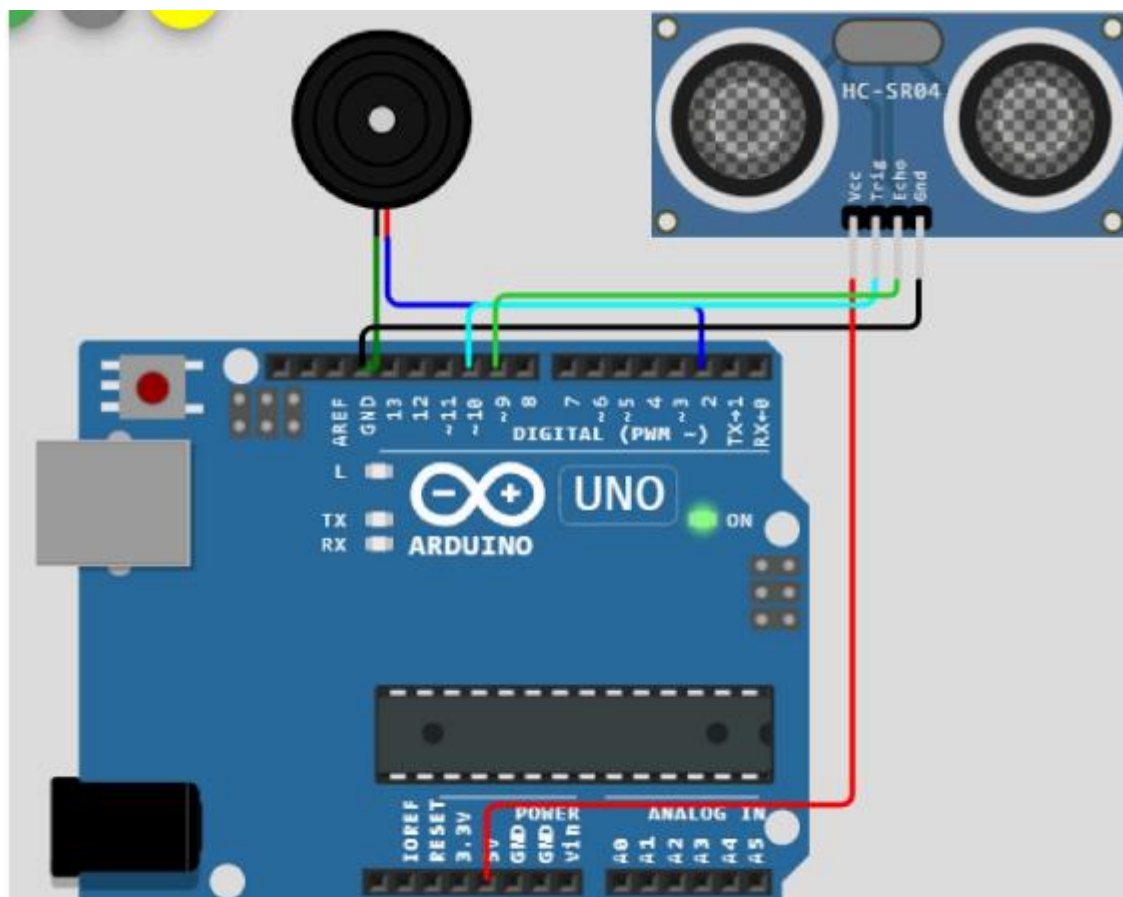
```
duration=pulseIn(echopin,HIGH);

distance=(duration/2)/29.1;

if (distance<=100&& distance>=0){

digitalWrite(buzzpin,HIGH);

}

Else

{

digitalWrite(buzzpin,LOW);

}

Delay(1000);

}
```

Circuit Diagram:

Link:https://wokwi.com/projects/346396143580611155