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```

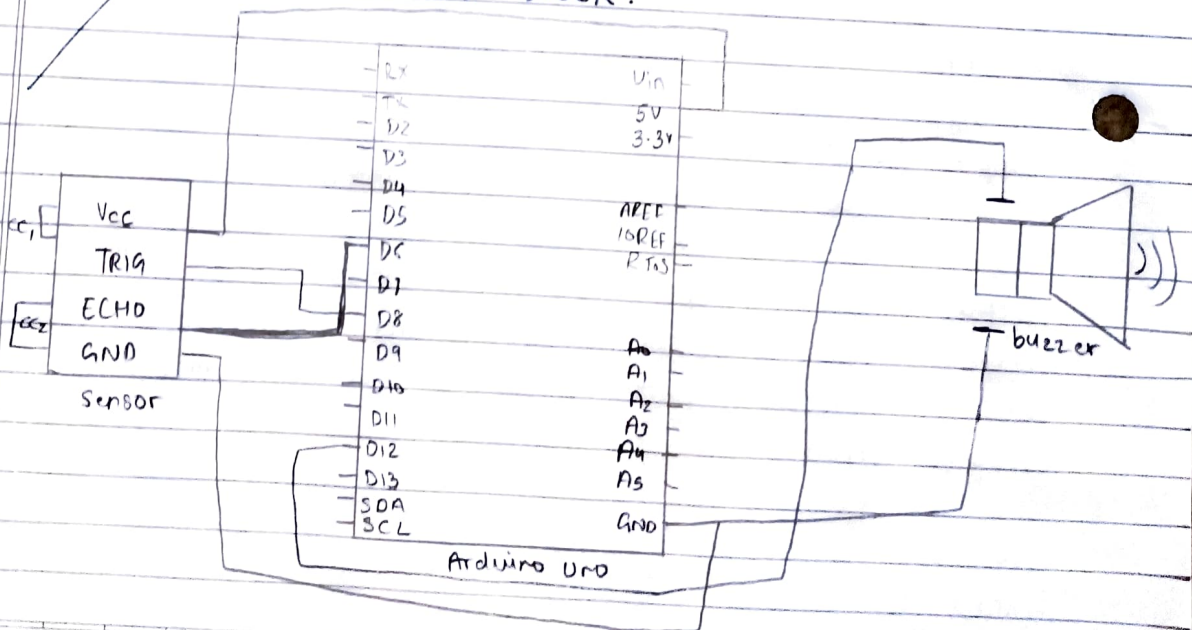
pinMode (6, Input);
pinMode (8, Output);
Serial.begin (9600);
}

void loop () {
    duration = pulseIn (6, HIGH);
    cm = (duration / 29) / 2;
    Serial.println (inch);
    if (cm > 3) {
        tone (12, 100);
    }
    else {
        noTone (12);
    }
    delay (1000);
}

```

### FAQ's

- 1) Draw the block diagram of ultrasonic sensor HC SR04 interface with Arduino block.





2) Describe the ultrasonic sensor ~~HCR~~ HC5R04 sensor works.

→ The HC5R04 ultrasonic sensor uses sonar to determine the distance of an object just like bats do. It offers excellent non contact range detection with high accuracy and stable reading is an easy-to-use package from 2cm to 400 cm or 1" to 13 feet.

3) State application based on ultrasonic sensor HC5R04.

→ 1) Used in wireless charging

2) Measure distance between 2 objects.

3) Humidifiers.

4) Burglar alarms.

5) To find depth of pits, wells by transmitting waves through water.

