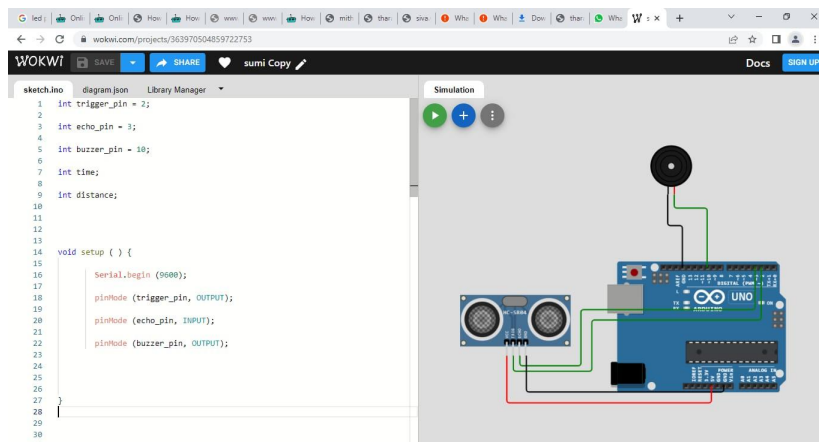


NAME : Sumithra M

REG NO :732720121035

LINK:<https://wokwi.com/projects/363811331375226881>

SCREE SHOT:



SKETCH INFO:

int trigger_pin = 2;

int echo_pin = 3;

int buzzer_pin = 10;

int time;

int distance;

void setup () {

 Serial.begin (9600);

 pinMode (trigger_pin, OUTPUT);

```
pinMode (echo_pin, INPUT);

pinMode (buzzer_pin, OUTPUT);

}
```

```
void loop ( ) {

    digitalWrite (trigger_pin, HIGH);

    delayMicroseconds (10);

    digitalWrite (trigger_pin, LOW);

    time = pulseIn (echo_pin, HIGH);

    distance = (time * 0.034) / 2;

    if (distance <= 10)

    {

        Serial.println (" Door Open ");

        Serial.print (" Distance= ");

        Serial.println (distance);

        digitalWrite (buzzer_pin, HIGH);

        delay (500);

    }

    else {
```

```
Serial.println (" Door closed ");  
  
Serial.print (" Distance= ");  
  
Serial.println (distance);  
  
digitalWrite (buzzer_pin, LOW);  
  
delay (500);  
  
}  
  
}
```