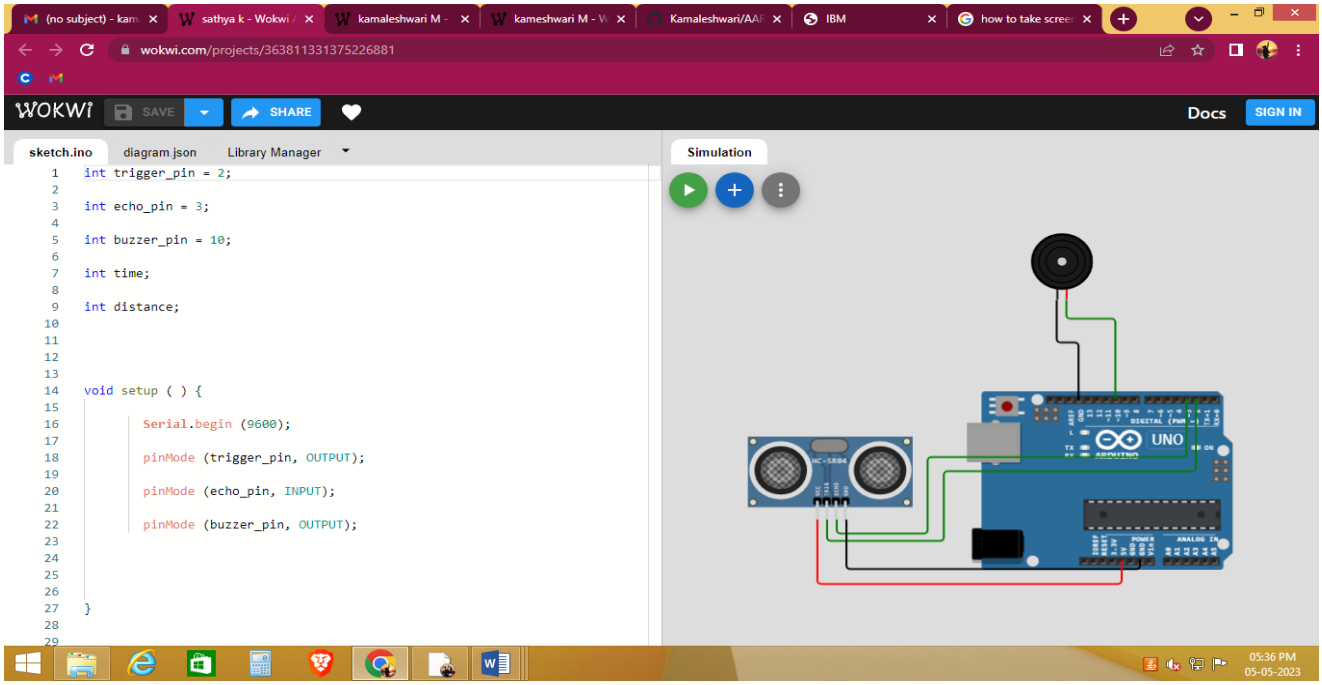
SATHYA K

732720121029

https://wokwi.com/projects/363811331375226881



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);
    }
    }
```