Assignment Date	09 September 2022
Student Name	Mr. vishva
Student Roll Number	422119106011
Maximum Marks	2 Marks

TASK:

SMART HOME APPLIANCES

PROJECT:

DOOR BUZZER

CODE:

```
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,1);
delayMicroseconds(10);
digitalWrite(trigger_pin,0);
time=pulseIn(echo_pin,1);
distance=(time*0.034)/2;

if (distance<=25)
```

```
{
Serial.println("door open");
Serial.print("Distance= ");
Serial.println(distance);
digitalWrite(buzzer_pin,1);
delay(500);
}
else{
Serial.println("door open");
Serial.print("Distance= ");
Serial.println(distance);
digitalWrite(buzzer_pin,0);
delay(500);
}
}
```

CIRCUIT: