**AUTOMATIC GARAGE OPENING SYSTEM CODE**

int trigpin=2;

int echopin=3;

void setup()

{

pinMode(trigpin,OUTPUT);

pinMode(echopin,INPUT);

Serial.begin(9600);

}

void loop()

{

digitalWrite(trigpin, HIGH);

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(trigpin, LOW);

float duration = pulseIn(echopin,HIGH);

float distance = duration\* 0.0343/2 ;

Serial.print(" The distance is ");

Serial.println(distance);

delay(1000); // Wait for 1000 millisecond(s)

}