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|  | **AUTOMATIC GARAGE DOOR OPENING SYSTEM**  int trigpin=11;  int echopin=10;  #include<Servo.h>  Servo myservo;  void setup()  {      Serial.begin(9600);      myservo.attach(7);      pinMode(trigpin,OUTPUT);      pinMode(echopin,INPUT);      myservo.write(0);  }  void loop()  {     digitalWrite(trigpin,HIGH);     delay(1000);    digitalWrite(trigpin,LOW);     float duration=pulseIn(echopin,HIGH);     float distance=duration\*0.0343/2;      Serial.print(“The distance is “);      Serial.println(distance);     if(distance>80) {          myservo.write(90);          Serial.println(“The garage door is opened”);          delay(5000);          myservo.write(0);          Serial.println(“The garage door is closed”);      }      else {           myservo.write(0);      }   |  |  | | --- | --- | | } |  | |  |
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