int val = 0;

void setup() {

Serial.begin(9600);

pinMode(5, INPUT); // Pin 5 as input for the noise sensor

pinMode(6, OUTPUT); // Pin 6 as output to control the LED

pinMode(7, OUTPUT); // Pin 7 as output to control the buzzer

}

void loop() {

val = digitalRead(5); // Read the noise sensor

Serial.println(val); // Print the sensor value to the Serial monitor

delay(100); // Short delay for stability

if (val == HIGH) { // If noise detected (assuming HIGH means noise)

digitalWrite(6, HIGH); // LED on

digitalWrite(7, HIGH); // Buzzer on

} else {

digitalWrite(6, LOW); // LED off

digitalWrite(7, LOW); // Buzzer off

}

}