const int lm35\_pin = A1; /\* LM35 O/P pin \*/

int Buzz= 8; // Define Bizzer pin

int PIR= 3; // Define PIR pin

int val= 0; // Initializing the value as zero at the beginning

void setup() {

pinMode(Buzz, OUTPUT);

pinMode(PIR, INPUT);

Serial.begin(9600);

}

void loop() {

int temp\_adc\_val;

float temp\_val;

temp\_adc\_val = analogRead(lm35\_pin); /\* Read Temperature \*/

temp\_val = (temp\_adc\_val \* 4.88); /\* Convert adc value to equivalent voltage \*/

temp\_val = (temp\_val/10); /\* LM35 gives output of 10mv/°C \*/

Serial.print("Temperature = ");

Serial.print(temp\_val);

Serial.print(" Degree Celsius\n");

delay(1000);

if( temp\_val>61)

digitalWrite(Buzz, HIGH); // Turn Buzzer ON

val = digitalRead(PIR); // The value read from PIR pin 3 will be assigned to 'val'

if(val == HIGH){

digitalWrite(Buzz, HIGH); // Turn Buzzer ON

Serial.println("Movement Detected"); // Print this text in Serial Monitor

}

else

{

digitalWrite(Buzz, LOW);

Serial.println("Movement not Detected");

}

}