int sensor=A0; //sensor is connected to A0 analog pinint fan=5;// fan is connected to 5 digital pinvoid setup() { pinMode(sensor,INPUT); pinMode(fan,OUTPUT);; Serial.begin(9600);}void loop() { // measure the temperature and store it in a variable called "temp" int temp = analogRead(A0); // assuming the temperature sensor is connected to analog pin A0 // convert the analog reading to voltage float voltage = temp \* 5.0 / 1023.0; // convert the voltage to temperature in degrees Celsius float celsius = (voltage ) \* 100.0; // display the temperature on the Serial monitor Serial.print("\n"); Serial.print("TEMPERATURE=");// print the text "Temperature:"Serial.print(celsius);// print the temperature in degrees CelsiusSerial.print("\*C");// print the unit "C" for Celsiusif(celsius>25){ digitalWrite(fan,HIGH);}else{ digitalWrite(fan,LOW); }}