float temp;

int tempPin = 0;

void setup()

{

pinMode(7, OUTPUT);

pinMode(6, OUTPUT);

Serial.begin(9600);

}

void loop()

{

temp = analogRead(tempPin);

temp = (temp/1024)\*5000;

Serial.print("TEMPRATURE = ");

Serial.print(temp);

Serial.print("\*C");

Serial.println();

if(temp<=40)

{

digitalWrite(7, HIGH);

digitalWrite(6, LOW);

}

else

{

digitalWrite(7, LOW);

digitalWrite(6, HIGH);

}

delay(2000);

}