const int AnalogPin= A0; //Analog pin for temp read  
const int AnalogPin1= A1; //Analog pin for temp read  
const int AnalogPin2= A2; //Analog pin for temp read  
const int AnalogPin3= A3; //Analog pin for temp read  
const int AnalogPin4= A4; //Analog pin for temp read  
const int AnalogPin5= A5; //Analog pin for temp read  
  
  
  
void setup() {  
Serial.begin(9600);  
Serial.print("Raspberry pi IC");  
Serial.print(",");  
Serial.print("Charging IC");  
Serial.print(",");  
Serial.print("Digital board IC");  
Serial.print(",");  
Serial.print("Interior Temp");  
Serial.print(",");  
Serial.print("On Digital board ");  
Serial.print(",");  
Serial.println("Exterior Temp");  
}  
void loop() {  
float SenVal = analogRead(A0);  
float SenVal1 = analogRead(A1);  
float SenVal2 = analogRead(A2);  
float SenVal3 = analogRead(A3);  
float SenVal4 = analogRead(A4);  
float SenVal5 = analogRead(A5); //Analog output value  
  
SenVal= (SenVal \* 5.0) / 1024.0;  
SenVal1= (SenVal1 \* 5.0) / 1024.0;  
SenVal2= (SenVal2 \* 5.0) / 1024.0;  
SenVal3= (SenVal3 \* 5.0) / 1024.0;  
SenVal4= (SenVal4 \* 5.0) / 1024.0;  
SenVal5= (SenVal5 \* 5.0) / 1024.0;  
  
  
  
  
  
float Temp = (SenVal - 2.5) / 0.004126;  
float Temp1 = (SenVal1 - 2.5) / 0.004126;  
float Temp2 = (SenVal2 - 2.5) / 0.004126;  
float Temp3 = (SenVal3 - 2.5) / 0.004126;  
float Temp4 = (SenVal4 - 2.5) / 0.004126;  
float Temp5 = (SenVal5 - 2.5) / 0.004126;  
  
  
  
Serial.print(Temp);  
Serial.print(",");  
Serial.print(Temp1);  
Serial.print(",");  
Serial.print(Temp2);  
Serial.print(",");  
Serial.print(Temp3);  
Serial.print(",");  
Serial.print(Temp4);  
Serial.print(",");  
Serial.println(Temp5);  
  
delay (11000);  
}s