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

void setup() {

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);