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**Practical 3**

code - Interfacing of the LM35 with Arduino board

const int lm35\_pin = A1;

void setup() {

Serial.begin(9600);

}

void loop() {

int temp\_adc\_val;

float temp\_val;

temp\_adc\_val = analogRead(lm35\_pin);

temp\_val = (temp\_adc\_val \* 4.88);

temp\_val = (temp\_val/10);

Serial.print("Temperature = ");

Serial.print(temp\_val);

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

delay(1000);

}

code - Interfacing the Relay module with arduino board

int relay\_pin = 7;

int led\_pin = 12;

void setup()

{

pinMode(relay\_pin,OUTPUT);

pinMode(led\_pin,OUTPUT);

digitalWrite(led\_pin,HIGH);

}

void loop()

{

digitalWrite(relay\_pin,HIGH);

delay(2000);

digitalWrite(relay\_pin,LOW);

delay(2000);

}