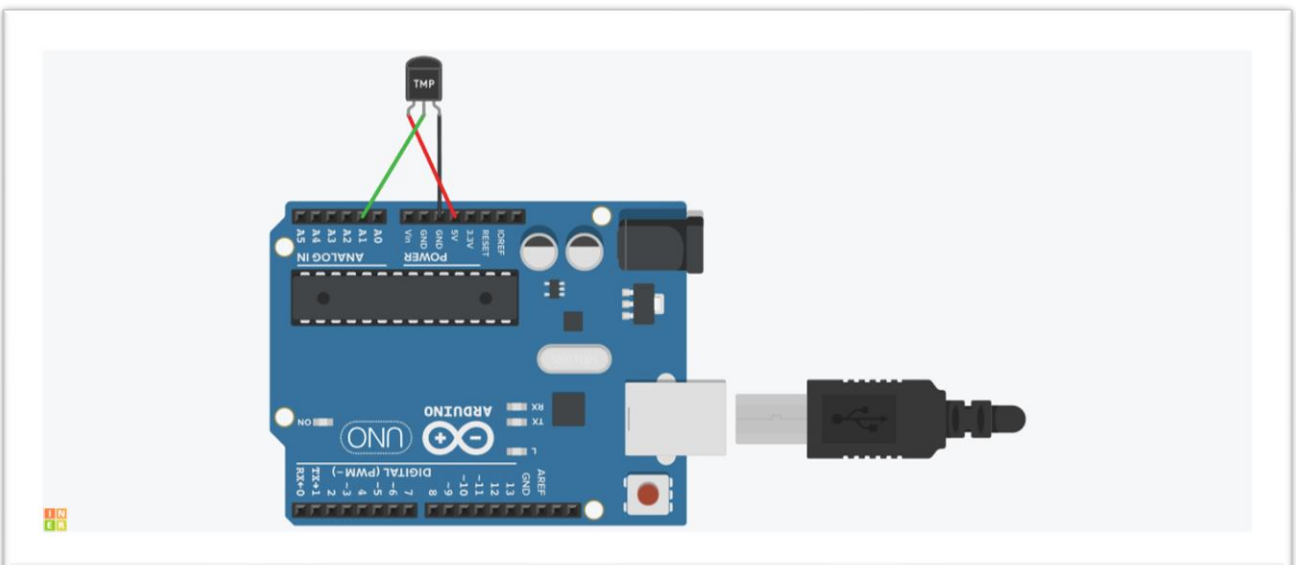# Assignment No: 10

## Code:

```
float temp;

int tempPin = 0;

void setup()

{

Serial.begin(9600);

}

void loop()

{

temp = analogRead(tempPin);

temp = temp * 0.48828125;

  Serial.print("TEMPERATURE =");

  Serial.print(temp);

  Serial.print("*C");

  Serial.println();

  delay(1000);

}
```

## Output:

TEMPERATURE =347.66*C
TEMPERATURE =4.88*C
TEMPERATURE =417.48*C
TEMPERATURE =278.32*C
TEMPERATURE =460.45*C
TEMPERATURE =449.71*C
TEMPERATURE =263.18*C
TEMPERATURE =309.57*C
TEMPERATURE =244.14*C
TEMPERATURE =146.48*C
TEMPERATURE =331.05*C
TEMPERATURE =252.44*C
TEMPERATURE =63.96*C
TEMPERATURE =42.48*C
TEMPERATURE =81.05*C
TEMPERATURE =193.36*C
TEMPERATURE =106.93*C
TEMPERATURE =235.84*C
TEMPERATURE =396.48*C
TEMPERATURE =33.69*C
TEMPERATURE =41.02*C
TEMPERATURE =39.06*C
TEMPERATURE =183.59*C