

## Assignment NO 9

**Source Code:**

```
int tempPin = 1;

void setup()
{
  Serial.begin(9600);
}

void loop()
{
  val = analogRead(tempPin);
  float mv = ( val/1023.0)*5000;
  float cel = mv/10;
  float farh = (cel*9)/5 + 32;
  Serial.print("TEMPRATURE = ");
  Serial.print(cel);
  Serial.print("*C");
  Serial.println();
  delay(1500);

  /* uncomment this to get temperature in farenhite
  Serial.print("TEMPRATURE = ");
  Serial.print(farh);
  Serial.print("*F");
  Serial.println();
  */
}
```

