```
#include <LiquidCrystal.h>

#define TEMP_PIN A0

LiquidCrystal lcd(7, 6, 5, 4, 3, 2);

void setup() {
  lcd.begin(16, 2);
  Serial.begin(9600);
  lcd.print("Temp Monitor");
  delay(1500);
  lcd.clear();
}

void loop() {
  int adcValue = analogRead(TEMP_PIN);
  float voltage = (adcValue * 5.0) /
1023.0;
  float temperature = voltage * 100.0;

  lcd.setCursor(0, 0);
  lcd.print("Temp: ");
  lcd.print(temperature);
  lcd.print(" C   ");

  Serial.print("Temperature: ");
  Serial.print(temperature);
  Serial.println(" C");

  delay(1000);
}
```

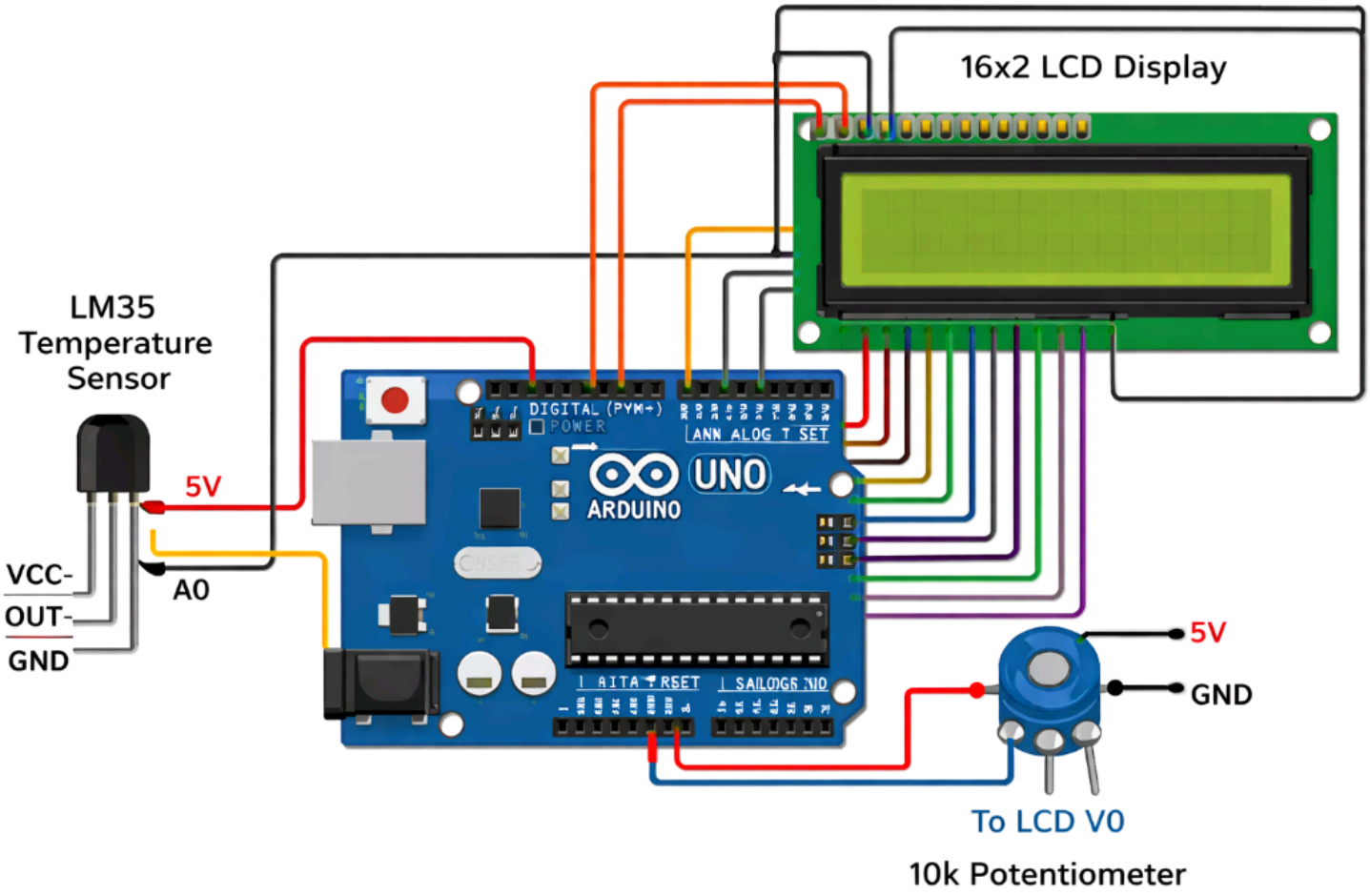
LCD Output

```
Temp: 28.6 C
```

(Updates every second)

Serial Monitor Output

```
Temperature: 28.6 C
Temperature: 28.7 C
Temperature: 28.8 C
```


16x2 LCD Display
LM35
Temperature
Sensor
5V
VCC-
OUT-
GND
A0
DIGITAL (PWM~)
POWER
ANALOG IN
UNO
ARDUINO
5V
GND
To LCD V0
10k Potentiometer