**Data Acquisition  
Analogue Read**

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Arduino code

#include<LiquidCrystal.h>

LiquidCrystal lcd(12,11,10,9,8,7);

int sensor=A5,pot=A1,ldr=A2;

float temp;

void setup() {lcd.begin(16,2);}

void loop() {lcd.clear();

lcd.setCursor(0,0);lcd.print("Temp=");

lcd.setCursor(6,0);lcd.print((analogRead(sensor)-5)/2.0);

//Different formula but it works for my simulation

//I think there is error in my protus version

lcd.setCursor(0,1);lcd.print("Pot=");

lcd.setCursor(4,1);lcd.print(analogRead(pot)\*100.0/1023.0);

lcd.setCursor(8,1);lcd.print("LDR=");

lcd.setCursor(12,1);lcd.print(analogRead(ldr)\*100.0/1023.0);

//this one worked when i changed the the values of ldr

delay(500);}

