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[Forum: 8-bit PIC](#)

[Topic: PIC18F4520 ADC問題](#)

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你好，各位大大，小弟目前使用PIC18F4520，最近在研究ADC轉換，想將input的電壓顯示在LCD上，輸入腳位為RA0，解析度算出 $5/1023=0.00488$ ，在input為5V時應顯示D=1023，但顯示出的數值卻是64，想請問一下各位大大，這是為什麼，及如何解決這問題，謝謝。

以下是我的程式：

```
#include "p18f4520.h"
#include "delays.h"
#include "evm_lcd.h"
#include "adc.h"
#include <stdlib.h>
#include <stdio.h>
#pragma config OSC=HS,BOREN=OFF,BORV=2,PWRT=ON,WDT=OFF,LVP=OFF
#define OSC_CLOCK 10

void main()
{
    char LCD_name[] = "Chicken Test 123";
    float adc0_volt;
    int adc0_dec;
    int adc0_volt1;
    int adc0_volt2;
    char Buf[16];

    TRISA = 0b00000001;           // Setup RA0=Input RA1=Output

    // Initialise LCD
    OpenLCD();
    WriteCmdLCD(0*01);
    LCD_Set_Cursor(0,0);
    putsLCD(LCD_name);
    Delay10KTCYx(21);

    OpenADC(
        ADC_FOSC_16 &           // A/D clock source set to 32Tosc
        ADC_LEFT_JUST &        // ADRESH:ADRESL from roght
        ADC_20_TAD,             // A/D Acquisition time: 20TAD
```

```

        ADC_CH0 &           // Analog Channel0 AN0
        ADC_INT_OFF &      // ADC Interrupt off
        ADC_VREFPLUS_VDD & // Vref+ = VDD
        ADC_VREFMINUS_VSS, // Vref- = VSS
        0b1110             //ADCON1 AN0=Analog
    );

while(1)
{
    ConvertADC();           // Start an A/D Conversion
    while(BusyADC());      // Wait for Conversion Finished
    adc0_dec=ReadADC();    // Read A/D Result

    // Convert Floating Point to Decimal
    adc0_volt=0.0048875855327468*adc0_dec;
    adc0_volt1=(unsigned int)adc0_volt;
    adc0_volt2=(unsigned int)((adc0_volt-adc0_volt1)*10);

    sprintf(Buf, "D=%4u V=%u.%uV", adc0_dec, adc0_volt1, adc0_volt2);
    WriteCmdLCD(0*01);
    LCD_Set_Cursor(1,0);
    putsLCD(Buf);

    Delay10KTCYx(125);

} // End While
}

```