```
// Project: Keil Labs and Project
// File: adc.c
// Class: ENEL 351 Lab Works
// Programmer: Amandip Padda
// SID: 200455829
// Description: The project is based on the STM32F103RB that is being used in ENEL 351 Labs.
// It will also be used in the Project related to input and output of various sensors.
//
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#include "stm32f10x.h"
#include "header.h"
int readPressure(void)
{
    ADC1 -> SQR3 = 0x000000000;
    ADC1 -> CR2 |= ADC_CR2_ADON;
    while(!(ADC1->SR & ADC_SR_EOC))
    {}
        return ADC1->DR;
```

```
}
int readPhotoResistor(void)
{
     ADC2 -> SQR3 = 0x00000001;
     ADC2 -> CR2 |= ADC CR2 ADON;
     while(!(ADC2 -> SR & ADC SR EOC))
     {}
           return ADC2 -> DR;
}
//
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```