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/* *****  
 * Name:      ADC.h  
 * Description: STM32 Analogy to Digital Conversion  
 * Version:  V1.00  
 * Authors:  Li Pan  
 *  
 * *****/  
#include <stdint.h>  
#include <math.h>  
  
void ADC_INIT(void); //enable the adc  
  
uint32_t ADC_Read(int channel); //read value from ADC  
  
void Hex2LCD(void); //hex value display on LCD  
  
void BRIGHT2LCD(void); //check the adc input for turning driving lights
```