#include <avr/io.h>

#include "m\_general.h"

#include "m\_usb.h"

m\_clockdivide(0);//set the system clock frequency as 16MHz

clear(ADMUX,REFS1);//set the voltage reference

set(ADMUX,REFS0);

set(ADCSRA,ADPS2);// set the ADC clock prescaler/128

set(ADCSRA,ADPS1);

set(ADCSRA,ADPS0);

set(DIDR0,ADC0D);// disable ADC0D digital inputs

clear(ADCSRB,MUX5);//select F0 as analog input

clear(ADMUX,MUX2);

clear(ADMUX,MUX1);

clear(ADMUX,MUX0);

set(ADCSRA,ADEN);// enable conversions

set(ADCSRA,ADSC);

m\_usb\_init();

int main(void)

{

while(1){

m\_usb\_tx\_int(ADC);

m\_usb\_tx\_string("\r\n");

//TODO:: Please write your application code

}

}