#include<reg51.h>

#include<stdio.h>

unsigned char sdata[40];

void hyp\_term(char hour,char min,char sec,float t)

{

char h1,h2,m1,m2,s1,s2;

int i;

if(hour > 0x12)

hour = hour-(0x12);

h1=((hour/16)+48);

h2=((hour%16)+48);

m1=((min/16)+48);

m2=((min%16)+48);

s1=((sec/16)+48);

s2=((sec%16)+48);

sprintf(sdata,"TIME: %c%c:%c%c:%c%c , TEMP: %f°C\n",h1,h2,m1,m2,s1,s2,t);

// alt + 0176 >> °symbol

for(i=0;sdata[i];i++)

{

uart\_tx(sdata[i]);

}

uart\_tx(0x0D);

}

void get\_time(char\* sec,char\* min,char\* hour)

{

\*sec = i2c\_slave\_read(0XD0,0x00);

\*min = i2c\_slave\_read(0XD0,0x01);

\*hour = i2c\_slave\_read(0XD0,0x02);

}