/\*

CF = 11.0592MHz

SMOD = 0

Baud = 9600

\*/

#include<reg51.h>

void init\_uart(void);

void uart\_tx(unsigned char);

unsigned char uart\_rx(void);

void init\_uart(void)

{

/\*(1) Select 8N1 frame format \*/

SCON = 0x50; //0x50 >> 8N1 frame is selected & also the RX is enabled >> 0x40 for TX only

/\*(2) Set the Baud rate as 9600/4800 \*/

TMOD = 0x20;

TH1 = TL1 = 253;// 9600

//TH1 = TL1 = 250;// 4800

TR1 = 1;

}

void uart\_tx(unsigned char d)

{

SBUF = d; // Initiate or Start the transmission by assigning the data to the SBUFF

while(TI == 0); // wait until the TX is completed

TI = 0; // Clear the TI flag

}

/\*

unsigned char uart\_rx(void)

{

while(RI == 0); // wait till the RI flag is set (RI flag is set when charactor is recieved)

RI = 0;

return SBUF;

}

\*/