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**EXP\_9**

**UART**

#include<p18F4550.h>

#include<stdio.h>

void InitUART()

{

TRISCbits.RC6 = 0; //TX pin set as output

TRISCbits.RC7 = 1; //RX pin set as input

SPBRG = 77;

TXSTA = 0b00100000;

RCSTA = 0b10010000;

}

void SendChar(unsigned char data)

{

while(TXIF == 0);

TXREG = data;

}

unsigned char GetChar(void)

{

while(!RCIF);

return RCREG;

}

void main(void)

{

unsigned char key;

InitUART();

while(1)

{

key=GetChar();

SendChar(key);

}

}