4 B Division

#include <stdio.h>

#include <stdlib.h>

#include <pic18f452.h>

//Division using successive sustraction

void main(void) {

//static int v\_mem[] = 0x55; @0x0005

int dividend, divisor,quotient;

int result,i;

dividend = 0x0E;

divisor= 0x04;

result = dividend;

quotient=0;

while(1)

{

if(divisor==0)

result=0;

else if(result<divisor)

break;

else

{

result = result - divisor;

quotient=quotient+1;

}

}

TRISA=0;

PORTA=result; // remainder

TRISB =0;

PORTB = quotient; //quotient

TRISC=0;

PORTC=dividend/divisor;

}