Stopwatch using 8051 microcontroller (AT89C51)

//Program to make a stopwatch

#include<reg51.h>
define msec 1
unsigned int sec1,sec2;
int sec1_1,sec1_2,sec2_1,sec2_2;

unsigned int digi_val[10]={0x40,0xF9,0x24,0x30,0x19,0x12,0x02,0xF8,0x00,0x10};
sbit dig_ctrl_1=P1^0;  // Declare the control pins of seven segments
sbit dig_ctrl_2=P1^1;
sbit dig_ctrl_3=P1^2;
sbit dig_ctrl_4=P1^3;
sbit start_pin = P1^4;  // Start pin to start the watch.
sbit stop_pin = P1^5;  // Stop pin to stop the watch.
sbit reset_pin = P1^6;  // Reset pin to reset the watch.
int s,t;

void mplex_delay(unsigned int time)  // Function to provide a time delay of
    //approximatelty one second using
    //Timer 1
{
    int i,j;
    for (i=0;i<=time;i++)
        for(j=0;j<=50;j++);
}

void digi_out(unsigned int current_num)
{
    P2=digi_val[current_num];
    mplex_delay(msec);
}

void display(unsigned int dig1,unsigned int dig2)  // Function to display
    //the //digits on seven segmnet. For more details refer seven segment
    //multiplexing.
{  
    sec1_2=dig1%10;
    sec1_1=dig1/10;
    sec2_2=dig2%10;
    sec2_1=dig2/10;
    TMOD=0x01;  //Enable Timer 0
    TL0=0xFF;
    TH0=0xDB;
    TR0=1;  // Triger Timer 0
    while(TF0==0)  
    {  
        dig_ctrl_1 = 1;
        dig_ctrl_2 = dig_ctrl_3 = dig_ctrl_4 = 0;
        digi_out(sec1_1);
        dig_ctrl_2 = 1;
        dig_ctrl_1 = dig_ctrl_3 = dig_ctrl_4 = 0;
        digi_out(sec1_2);
        dig_ctrl_3 = 1;
        dig_ctrl_2 = dig_ctrl_1 = dig_ctrl_4 = 0;
        digi_out(sec2_1);
        dig_ctrl_4 = 1;
        dig_ctrl_2 = dig_ctrl_3 = dig_ctrl_1 = 0;
        digi_out(sec2_2);
    }
    TR0=0;
    TF0=0;
}

void main()
{
    while(1)
    {
        start: // Segment to start the stop watch
            start_pin = 1;
            stop_pin = 1;
            reset_pin = 1;
            dig_ctrl_1 = 0;
            dig_ctrl_2 = 0;
            dig_ctrl_3 = 0;
dig_ctrl_4 = 0;
P2 = 0xFF;
s = t = 0;
while(start_pin == 1)  // Check if start pin is pressed
{
    display(0,0);
}

stopwatch:  // Segment to stop the watch
    for (sec1=s;sec1<=99;sec1++)
    {
        if (stop_pin == 0 )  //Check if stop pin is pressed
            break;
        for (sec2=t;sec2<=99; sec2++)
        {
            if (stop_pin == 0 )  //Check if stop pin is pressed
                break;
            t=0;
            display(sec1,sec2);
        }
    }
    stop_pin = 1;
s = sec1;
t = sec2;

    while ( start_pin != 0 && reset_pin != 0 )  //Check if start pin or reset pins are //not pressed
    {
        display(sec1,sec2);
    }

    if (start_pin == 0)  //Check if start pin is pressed
    {
        goto stopwatch;
    }
    else
    {
        if (reset_pin == 0 )  //Check if reset pin is pressed
        {
            s = t = 0;
        }