##### Write an assembly language program to implement (display) an eight bit UP/DOWN binary (hex) counter on watchwindow.

mov a,#00 //mov a, #0ffh for down counter

back:acall delay

inc a //dec a for binary down counter

jnz back

here:sjmp here

delay:mov r1,#0ffh

decr1:mov r2,#0ffh

decr:mov r3,#0ffh

djnz r3,$

djnz r2,decr

djnz r1,decr1

ret

end

**Write an assembly language program to implement (display) an eight bit UP/DOWN decimal counter on watchwindow**

mov a,#99h //mov a, 00h for decimal up counter

back: acall delay

add a,#99h //add a,#01h for decimal up counter

da a //decimal adjust accumulator

jnz back

here: sjmp here

delay: mov r1,#0ffh

decr1: mov r2,#0ffh

decr: mov r3,#0ffh

djnz r3,$

djnz r2, decr

djnz r1, decr1

ret

end