To add the value of location 50 and 51h and store location in 52h and 53h

org 0000h

mov a,50h

add a,51h

mov 52h,a

mov a,#00

addc a,#00

mov 53h,a

endz

To Substract the value of location 50 and 51h and store location in 52h and 53h

org 0000h

mov a,50h

clr c

subb a,51h

mov 52h,a

mov a,#00

addc a,#00

mov 53h,a

end

To store data in FFH into RAM memeory location 50h to 58h using indirect add mode

org 0000h

mov a,#0ffh

mov r0,#50h

mov r5,#08h

start: mov@r0,a

inc r0

djnz r5,start

end

To add two BINARY CODED Decimal(BCD) number stored at location 60h and 61 h and store the result in BCD memory location 52h and 53h

org 0000h

mov a,60h

add a,61h

da a

mov 52h,a

mov a,#00

addc a,#00

mov 53h,a

end

To clear 10 RAM Location starting at RAM address 1000h

org 0000h

mov dptr,#1000h

clr a

mov r6,#0ah

again : movx @dptr,a

incdptr

djnz r6,again

end

To compute 1+2+3….N(Says 15) and save them at 70h

org 0000h

n equ 15

mov r0,#00

clr a

again: inc r0

add a,r0

cjne r0,#n,again

mov 70h,a

end

program to multiply two 8 bit number stored at location 70h and 72hh and storethe result at m emory location 52h and 53h.Assume that the leasr significant byrte of the resu;t store in low

org 0000h

mov a,70h

mov b,71h

mul ab

mov 52h,a

mov 53h,b

end

Divide content of 70h from content of 71h(70h>=71h) .store the remainder at memory loc 553h and quotient at loc 52h

org 0000h

mov a,70h

mov b,71h

div ab

mov 52h,a

mov 53h,b

end

ten 8 bit numbers are stored in internal data memeory from thrloc 50h. write a program to increrament the data

org 0000h

mov r0,#50h

mov r3,#0ah

loop1:inc @r0

inc r0

djnz r3,loop1

end

Avarge of five 8 bit number

org 0000h

mov 40h,#01h

mov 41h,#02h

mov 42h,#03h

mov 43h,#04h

mov 44h,#05h

mov r0,#40h

mov r5,#05h

mov b,r5

clr a

loop: add a,@r0

inc r0

djnz r5,loop

div ab

mov 55h,a

end

Fine a cube of an 8bit

org 0000h

mov r1,#3h

mov a,r1

mov b,r1

mul ab

mov r2,b

mov b,r1

mul ab

mov 50,a

mov 51,b

mov a,r2

mov b,r1

mul ab

add a,51h

mov 51h,a

mov 52h,b

mov a,#00h

addc a,52h

mov 52h,a

end

write a program to add 10 number stored from memory 500h onwards store the result of two addition to memory location 700h

org 0000h

mov r1,#09h

mov dptr,#5000h

movx a,@dptr

l1: incdptr

movb,a

movx a,@dptr

add a,b

djnz r1,l1

mov dptr,#7000h

movx @dptr,a

l2:sjmp l2

end

WRITE A PROGRAM TO COUNT THE NUMBER OF 1’S AND 2’S OF 8 BIT DATA STORED IN LOCATION

org 0000H

MOV DPTR, #6000H

MOVX A, @DPTR

MOV R0, #08

MOV R2, #00

MOV R3, #00

CLR C

BACK : RLC A

JC NEXT

INC R2

AJMP NEXT2

NEXT : INC R3

NEXT2 : DJNZ R0, BACK

END