##### Write an assembly language program to convert a BCD number intoASCII.

mov a, #09h //the BCD number to be converted to ASCII

mov r0,a

swap a

mov dptr,#9000h // output will be in 9000h and 90001h

acall ascii

mov a,r0

acall ascii

sjmp $

ascii: anl a,#0fh

add a,#30h

movx @dptr,a

inc dptr

ret

end

##### Write an assembly language program to convert a ASCII numberinto Decimal.

mov dptr,#9000h //ASCII no. to be converted to decimal is stored in 9000h

movx a,@dptr

subb a,#30h

inc dptr

movx @dptr,a

end

##### Write an assembly language program to convert a decimal number into ASCII.

mov dptr,#9000h //Decimal number to be converted to ASCII is store in

movx a,@dptr // 9000h

add a,#30h

inc dptr // ASCII will be saved in 9001h

movx @dptr,a

end

##### Write an assembly language program to convert a binary (hex)number into decimal.

mov a,#0feh //binary number to be converted to decimal

mov b,#0ah

div ab

mov r0,b

mov b,#0ah

div ab

mov 30h,a

mov a,b

swap a

orl a,r0

mov 31h,a

end

##### Write an assembly language program to convert a decimal number into binary(hex).

mov a,#95h //a = Decimal number to be converted to the binary

mov b,#10h

div ab

mov r1,b

mov b,#0ah

mul ab

add a,r1

mov 30h,a

end