

EXPERIMENT 7 DECIMAL TO HEX

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Code:

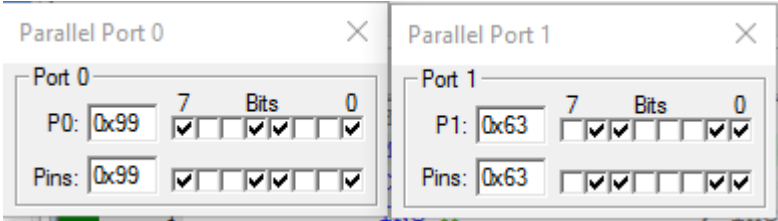
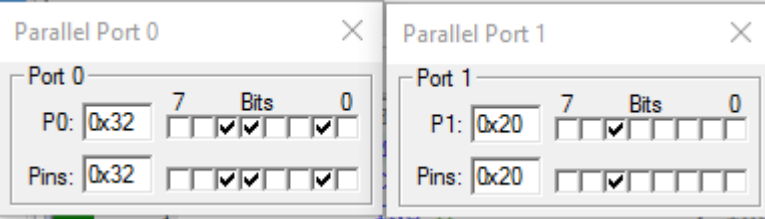
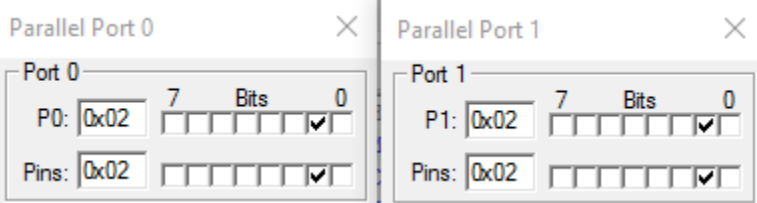
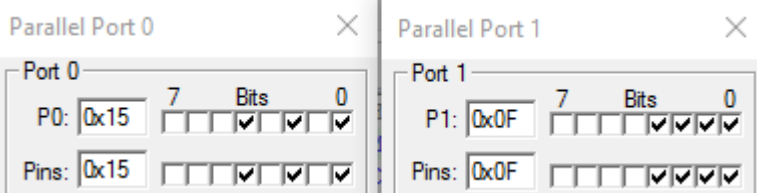
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1 ;DECIMAL TO HEXA DECIMAL
2     MOV R0 , #99H      ; enter desired value in R0
3     LOOP: CLR C         ; clear carry generated from CJNE
4     INC A              ; inc acc
5     INC R1             ; inc R1
6     DA A              ; convert A to decimal equivalent
7     CJNE A , 00H , LOOP ; compare if A has reached R0
8     MOV P0 , R0        ; display input in R0
9     MOV P1 , R1        ; display output in R1
10    END

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Outputs:

various values of inputs have been displayed:
port 0 is input and port 1 is output

	DECIMAL	HEX
	99	63H
	32	20H
	02	02H
	15	0FH