TICUIVIUV I. IUGGEL.	Activity	1.	TOGGLE:
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VOM	A, #55H	;	Α	<-	01010101B
VOM	PO, A	;	P0	<-	01010101B
VOM	P1, A	;	P1	<-	01010101B
MOV	P2. A	:	P2	<-	01010101B

ACALL DELAY

MOV A, #OAAH ; A <- 10101010B MOV PO, A ; PO <- 10101010B MOV P1, A ; P1 <- 10101010B MOV P2, A ; P2 <- 10101010B

ACALL DELAY SJMP TOGGLE

DELAY:

MOV RO, #250

LOOPO: MOV R1, #164 LOOP1: DJNZ R1, LOOP1 DJNZ R0, LOOP0

RET

END

Activity 2.

MOV MOV	PO, #0 P2, #0	; PO = OUTPUT ; P1 = OUTPUT
MOV MOV	A, P1 PO, A	; A <- P1 ; PO <- P1
MOV	P2, A	; P2 <- P1
VOM	RO, A	; RO <- P1
VOM	R1, A	; R1 <- P1
MOV	PO A	· P2 <- D1

END

- Activity 3. 1. Upon reset, all the ports of the 8051 are configured as **input**.
 - 2. To make all the bits of a port an output port we must write ${\bf 0}$ hex to it.
 - 3. Which ports of the 8051 are bits addressable? **Ans:** P0, P1, P2, and P3.

4.

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MOV P1, #0 ; P1 = OUTPUT

HIGH:

JB P2.4, HIGH MOV P1, #55H

END