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1          ;EXPERIMENT 1:WRITE AN ALP TO INTERFACE DAC0808 AND
GENERATE SQUARE WAVE
2          ;NAME:AAADESH PISE
3          ;ROLL NO:312041
4          ;BATCH:B2
5          ;DATE OF PERFORMANCE:1/8/2018
6
7          ORG 000H          ; ORIGIN
8          MOV A,#00H        ; STORE 0 IN ACCUMALATOR OR CLEAR
ACCUMALATOR
9          L1:MOV P1,A        ; COPY A TO PORT 1
10         ACALL DELAY        ; ABSOLUTE DELAY
11         MOV P1,#0FFH       ; STORE 255 TO THE PORT 1
12         ACALL DELAY        ; ABSOLUTE DELAY
13         SJMP L1            ; SHORT JUMP TO L1
14
15         DELAY:              ;
16         MOV R1,#250d        ; STORE VALUE 250D TO R1
17         L2: DJNZ R1,L2      ; DECREMENT JUMP IF NOT EQUAL TO ZERO
i.e (DECREMENT R1 TO ZERO AND THEN JUMP)
18         RET                ; RETUERN
19         END                ;
20
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