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1 ;EXPERIMENT_3A: WRITE AN ALP TO INTERFACE DAC0808 AND GENERATE SQUARE WAVE OF 1KHZ
2 ;NAME: ANIL RAJPUROHIT
3 ;ROLL N0: 312046
4 ;BATCH: B2
5 ;DATE OF PERFORMANCE: 1/8/2018
6
7     ORG 000H
8
9     L1: MOV P1,#0      ; COPY ACC TO PORT 1
10     ACALL DELAY      ; CALL DELAY OF 1ms
11     MOV P1,#0FFH     ; STORE 255 TO THE PORT 1
12     ACALL DELAY      ; CALL DELAY OF 1ms
13     SJMP L1          ; LOOP CONTINUOUSLY
14
15     DELAY: MOV R1,#223D ; STORE VALUE 223 TO R1
16     L2: DJNZ R1,L2    ; WAIT UNTIL R1 IS NOT EQUAL TO 0
17
18
19     RET
20     END
21
```