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1  ;EXPT_2A: Parallel port interfacing of LEDs
2  ;Problem statement: Flash alternate LEDs connected to port 2
3  ;by having 1 sec delay, generate delay using simple loops
4  ;NAME: Anil Rajpurohit
5  ;BATCH: B2, ROLL NO :312046
6  ;DATE OF PERFORMANCE: 11/07/18
7
8          ORG 0000H
9  AGAIN:  MOV P2,#0b01010101          //For alternate flashing
10         ACALL DELAY                 //Call delay of 1sec
11         MOV P2,#0b10101010          //For alternate flashing
12         ACALL DELAY                 //Call delay of 1sec
13         SJMP AGAIN                  //Continue the loop
14
15
16  DELAY:  MOV R2,#07h                 //Delay Subroutine
17         L1: MOV R1,#0FFH
18         L2: MOV R0,#0FFH
19         L3: DJNZ R0,L3
20             DJNZ R1,L2
21             DJNZ R2,L1
22             RET
23  END
```