```
 1                      ;EXPERIMENT 3:WRITE AN ALP TO INTERFACE DAC0808 AND
        GENERATE SAWTOOTH WAVEFORM
 2                      ;NAME:AADESH PISE
 3                      ;ROLL N0:312041
 4                      ;BATCH:B2
 5                      ;DATE OF PERFORMANCE:1/8/2018
 6
 7              ORG 000H
 8              MOV A,#00H        ;INITIALIZING INTITIAL POSITION OF
        SAWTOOTH WAVE
 9              L1:MOV P1,A       ;LOAD DATA OF A INTO PORT 1
10              INC A             ;INCREMENT STEP OF WAVE
11              SJMP L1           ;CONTINUOUS WAVEFORM
12              END
```