```
 1    ;EXPERIMENT_3b: WRITE AN ALP TO INTERFACE DAC0808 AND GENERATE SAWTOOTH WAVEFORM
 2    ;NAME: ANIL RAJPUROHIT
 3    ;ROLL N0: 312046, BATCH: B2
 4    ;DATE OF PERFORMANCE: 1/8/2018
 5
 6              ORG 000H
 7
 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
13              END
```