**Lab 6 Group 3:**

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0A5H

7FH

12H

01H

2.a) test BL, 01110000B

 jnz L1

 b) and BL, 01110000B

 cmp BL, 01110000B

 je L1

c) or AL, AL

 jp L2

d) cmp EAX,0

 jl L3

e) sub EBX, ECX

 cmp EBX,0

 jg L4

3. a) The conditional jump JG L1 is taken as 25 is larger than 20. The final value of EBX is 1.

 b) The JMP OUTT is needed to prevent the program from continuing the execution of loop 2 when loop 1 is finished.