**Lab 6 Group 3:**

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Graphical user interface, text, application

Description automatically generated

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.