CSC 3210

Computer Organization and Programming

Lab 7

Answer Sheet

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Lab 7(a)

Create a new application to run the following program.

The data segment is provided:

**.data**

Val1 SWORD 23

Val2 SWORD -35

Val3 SDWORD 4

Evaluate the following expression:

EBX = (-Val1 + val2) + (val3\*3)

You can only use Mov, Movsz, Movzx, Add, Sub instructions.

Build and run the program using the debugger

Debug the code until you reach “INVOKE ExitProcess, 0” and attach a screenshot of your code

and EBX register content.

Graphical user interface

Description automatically generated