CSC 3210
Computer Organization and Programming
Lab 7
Answer Sheet

Student Name:
Section:

Lab 7(a)

Fix the errors in the provided code.
Build and Attach screenshot showing the code and "build succeeded" message.

Lab 7(b)

Debug through each line of instructions.
Take screenshot that includes code and register window.
Record the register content.
and explain the register contents.

Line number:
Instruction:
Register values:
Screenshot:
Explanation:

Line number:
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(Copy paste this format if you need more)

Lab 7(c)

Debug through each line of instructions.
Take screenshot that includes code and register window.
Record the register content.
and explain the register contents.

Lab 7(d)

Create a new project to run the following program.
Declare an array in the data segment: arrayB WORD 1,2,3,4
Write code to Rearrange the array as follows: 4,3,1,2

Add the screenshot of your code here.

Lab 7(e)
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.