

Lab # 2: Lab Manual for Lecture # 2

Lecture # 2: Run basic code of assembly language

SECTION: I

Answer following questions.

- a. Which file should be include at top of each code before debug the program? What type of instruction, this file holds?
- b. What is starting and ending point of block in which main function of the program is written?
- c. How main function of the program is defined? How name of main function is associated with visual studio using MASM?
- d. How MOV command move data from one side to another?
- e. Why shall we use “EXIT” command at the end of main function?

SECTION: II

What assembly language code for following questions.

- a. Move 7 into EBP register and then display.
- b. Move 9 into EBX register and then display.
- c. Move 4 into ESI register but DUMMY values will be shown when use “CALL DUMPREGS” instruction.
- d. Move any value (0 to 9) in all registers (EAX, EBX, ECX, EDX, EDI, ESI, EBP) and then display all values.