

Midterm

~~Q1 LEA~~

Am no-1

LEA: Load Effective Address is an instruction that load "offset variable" adjust the address between 16 and 32 bits. LEA loads the lower 16 bits of the address into the register.

Offset: offset is an assembler directive in assembly language. It is an address and it can handle the overloading of the "mov" instruction.

Ans no-2

"Data Segment" is the starting point of a program. Data is the ~~name~~ name and segment is the keyword of variable declaration.

Data is the numeric value in the numbering system. '?' is the symbol of variables that are not initialized.

Ans no-3

ASSUME DS: DATA CS: CODE - Assume

~~Assume~~ Data is the name is given to Data Segment register and Code is the name of Code segment register.

INC (REG MEM)

Example: MOV AL, 6

DEC (REG MEM) INC AL; AL = 5
RET

Example: MOV AL, ~~6~~ 65

DEC AL; AL = ~~6~~ 65

RET

LBA (REG, MEM)

Example: MOV BX, 35h

MOV DI, 12h

LBA SI, [BX + DI]