EE 390: HOME WORK-2

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Assume, DS=CS=ES=SS=2000H, AX=0400H, BX=0500H, CX=0600H, DX=0600H, SI=0700H, DI=0400H, BP=0020H, SP=0AF0H, and answer the questions below;

1. Write a program that will load the value of CX register into BX register using register addressing mode.

2. Write a program that will load 1A34H into the CX register using Immediate addressing modes.

3. Write a program that will load B034H into the AX register using Indirect memory addressing modes.

4. Write a program to load CX register using Direct addressing mode from the memory location of physical address of 2002A0H. (Use the given value to DS to compute the offset or effective address).

5. -Write a program to load CX register with the content of an EXTRA segment memory location, using Based addressing mode.
   -Use the given values of ES and BX with displacement = 25H to find the Physical Address (PA) of the source operand.

6. -Write a program to load AX register with the content of a DATA segment memory location, using Indexed-addressing mode.
   -If displacement is 61H, use the given values to find the physical address of the source operand.

7. -Write an assembly language program to move the contents of DX register into a memory location in stack segment, using Based-Index-addressing mode.
   -Use the given values and displacement=A3H, to find the Physical Address of the destination operand.