

1. Use Debug to write a program that stores the immediate data of 34FC_H in the memory location of PA=10041_H, using indirect addressing mode.

2. Use Debug to write a program that will change the 'variable' form lower case letters to upper case letters. (use DB 'adil' which will be stored in => CS:0000=61=a, CS:0001=64=d etc. Remember initially CS=DS=ES=SS).

3. Write a program that will store the ASCII values of the given ARRAY in the memory location (using DB pseudo-op instruction) and then convert them to decimal numbers. Also store these decimal numbers in the same memory location.

Given: ARRAY1=1, 2, 3, 4

4. Write a program that will generate a two dimensional array (using DB pseudo-op instruction) and then add the elements of the 1st column to the elements of 2nd column and finally store the result in the 3rd column.

5. Write an assembly language program to multiply AX=05 and BX=03 by repeated addition.

6. Find the values of the register's, as you execute **each line** of the program.

Let AX= 1234_H, BX=5678_H, CX=0A0B_H.

XCHG AX,BX ; BX=_____

MOV AX,CL ; AX=_____

XOR CL,BL ; CX=_____