Lab # 2

Task # 1:
Write an assembly code in debugger using assemble (a) command which can copy the content of 8 byte array (memory) from 0100 – 0107 offset of segment 4000 **in reverse order** to the memory located on offset 0200 – 0207 of same segment(4000).
[Use E (enter) command for initializing the source memory (0100-0107) with some data.]

Task # 2:
Write an assembly code in debugger using assemble (a) command which can **SWAP** the content of 8 byte arrays (memory) from 0100 – 0107 offset of segment 4000 with the memory located on offset 0200 – 0207 of same segment (4000).
[Use E (enter) command for initializing the both arrays (memory) with some data.]

Note: verify your code by execution using trace (t) command. Also check the content of memory using dump (d) command.

Task # 3:
Write an Assembly Language Program to display a character.

Task # 4:
write an Assembly Language Program to read a character and display it.

Task # 5:
Write an Assembly Language Program to display a string.

Task # 6:
Write a program to display a 10 x 10 solid box of asterisks.**[use nested loop only]**
Sample execution:
****
****
****
****
****
****
****
****

Task # 7:
Write a Program which accepts a alphabet from user and toggle it's case.

Sample execution:
Enter a character: A
You enter : a

Task # 8:
An Assembly Language Program to display a "?", read two capital letters, and display them on the next line in alphabetical order.
Sample Run
? XQ
QX