Lab#5 Tasks

1. Construct a large integer (32 – Bit) from two Byte Variables (8 – Bit) and one Word Type variable (16 – Bit). Store your result into EAX and print it. Like if

    byte1 = 21h, byte2 = 43h & word1 = 8765h

    Then your output may be

    87654321h OR 43218765 OR 43876521

2. Reverse the given string:
    myStr BYTE "Step on no pets",0

3. Show the order of individual bytes in memory (lowest to highest) for the following double word variable using PTR Operator

    val1 DWORD 87654321h
    ;Your output should be like this
    21h
    43h
    65h
    78h

4. Write a program in assembly language to calculate the factorial of a given number.