Experiment 4

find factorial

- a) Accept number from keyboard
- b) find factorial of the number [find maximum limit of number of which factorial can be found through 16 bit operations]
- c) Display result on screen [Display result of factorial in decimal form on output display]

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                              NEW
                                                                                                                                                                                                                                                                                      OPEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SAVE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RUN
                                                                       DATA SEGMENT
NUM DB ?
FACT DB 1H
RES DB 10 DUP ('$')
MSG1 DB "ENTER NUMBER
MSG2 DB 10, 13, "RESULT
DATA ENDS
CODE SEGMENT
ASSUME DS: DATA, CS: CODE
START:
MOV AX, DATA
MOV DS, AX
LEA DX, MSG1
MOV AH, 9
INT 21H
MOV AH, 1
INT 21H
SUB AL, 30H
02
03
04
05
06
07
08
MOV AH, 1
SUB AL, 30H
MOV AH, 6
MOV AH, 6
MOV AH, 6
MOV AH, 7
MOV CH, 8
MOV 
41423445447
  48
4901523455
```

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