

Assignment No 11

Aim: Write a program for factorial

Code:

```
File Edit Search View Options Help
C:\TASM\FACT.ASM

.model small
.data
num db 05h
fact dw 0000h
.code
start: mov ax,0data
mov ds,ax
mov ax,01h
mov cl,num
again: mul cl
dec cl
jnz again
int 03h
end start

F1=Help Line:1 Col:1
```

Output:

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TD

File Edit View Run Breakpoints Data Options Window	
[CPU 80486] ds:0000 = 55 1=[↑][↓]	
cs:0000 B8AE48	mov ax,48AE
cs:0003 8ED8	mov ds,ax
cs:0005 B80100	mov ax,0001
cs:0008 8A0E0400	mov cl,[0004]
cs:000C F6E1	mul cl
cs:000E FEC9	dec cl
cs:0010 55	push bp
cs:0011 FA	cli
cs:0012 CC	int 03
cs:0013 0005	add [di],al
cs:0015 0000	add [bx+si],al
cs:0017 0000	add [bx+si],al
cs:0019 0000	add [bx+si],al
ax 0078 c=1	
bx 0000 z=0	
cx 0000 s=0	
dx 0000 o=0	
si 0000 p=1	
di 0000 a=1	
bp 0000 i=1	
sp 0000 d=0	
ds 48AE	
es 489D	
ss 48AC	
cs 48AD	
ip 001B	
es:0000 CD 20 FF 9F 00 EA FF FF = f 0	
es:0008 AD DE E0 01 C5 15 AA 01 i 00 00 00 00	
es:0010 C5 15 89 02 20 10 92 01 + 00 00 00 00	
es:0018 01 03 01 00 02 FF FF FF 00 00 00 00	
ss:0002 6474	
ss:0000 0000	

