

## 1. strcat

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:...
Microsoft (R) Macro Assembler Version 5.00
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Object filename [STRCAT.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:

51590 + 464954 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\MASM\BIN>LINK.EXE STRCAT.OBJ

Microsoft (R) Overlay Linker Version 3.60
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Run File [STRCAT.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\MASM\BIN>STRCAT.EXE
DENGTAO
MY NAME IS DENGTAO
C:\MASM\BIN>_
```

## 2. fac

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:...
C:\MASM\BIN>MASM.EXE FAC.ASM
Microsoft (R) Macro Assembler Version 5.00
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Object filename [FAC.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:

51610 + 464934 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\MASM\BIN>LINK.EXE FAC.OBJ

Microsoft (R) Overlay Linker Version 3.60
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Run File [FAC.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\MASM\BIN>FAC.EXE
720
C:\MASM\BIN>
```

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:...
076A:0030 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
076A:0040 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
076A:0050 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
076A:0060 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
076A:0070 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
-d ss:01db
076A:01D0 00 04 00 04 00 .....
076A:01E0 00 00 EE 01 33 00 04 00-05 00 05 00 00 00 FA 01 ....3.....
076A:01F0 33 00 05 00 06 00 00 00-00 00 00 00 14 00 06 00 3.....
076A:0200 06 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
076A:0210 B8 6A 07 8E D0 BC 00 02-B8 8A 07 8E D8 A1 00 00 .j.....
076A:0220 50 E8 07 00 E8 25 00 B4-4C CD 21 55 8B EC 52 53 P....%.L.!U..RS
076A:0230 8B 5E 04 83 FB 00 75 05-B8 01 00 EB 09 53 4B 53 .^.....u.....SKS
076A:0240 E8 E8 FF 5B F7 E3 5B 5A-5D C2 02 00 52 51 53 50 ...[...[Z]...RQSP
076A:0250 B9 05 00 BB 0A 00 33 D2-F7 F3 52 .....3...R
-d ss:01d0
076A:01D0 E2 01 1B 00 8B 07 A3 01-33 00 03 00 04 00 04 00 .....3.....
076A:01E0 00 00 EE 01 33 00 04 00-05 00 05 00 00 00 FA 01 ....3.....
076A:01F0 33 00 05 00 06 00 00 00-00 00 00 00 14 00 06 00 3.....
076A:0200 06 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
076A:0210 B8 6A 07 8E D0 BC 00 02-B8 8A 07 8E D8 A1 00 00 .j.....
076A:0220 50 E8 07 00 E8 25 00 B4-4C CD 21 55 8B EC 52 53 P....%.L.!U..RS
076A:0230 8B 5E 04 83 FB 00 75 05-B8 01 00 EB 09 53 4B 53 .^.....u.....SKS
076A:0240 E8 E8 FF 5B F7 E3 5B 5A-5D C2 02 00 52 51 53 50 ...[...[Z]...RQSP
```

(3)

IP (00331H)

N = 3

BX = 00041H

BX = 00041H

DX = 00001H

BP = 01EEH

IP (00331H)

N = 4

BX = 00051H

BX = 00051H

DX = 00001H

BP = 01FA1H

IP (00331H)

N = 5

BX = 00061H

BX = 00001H

DX = 0000H

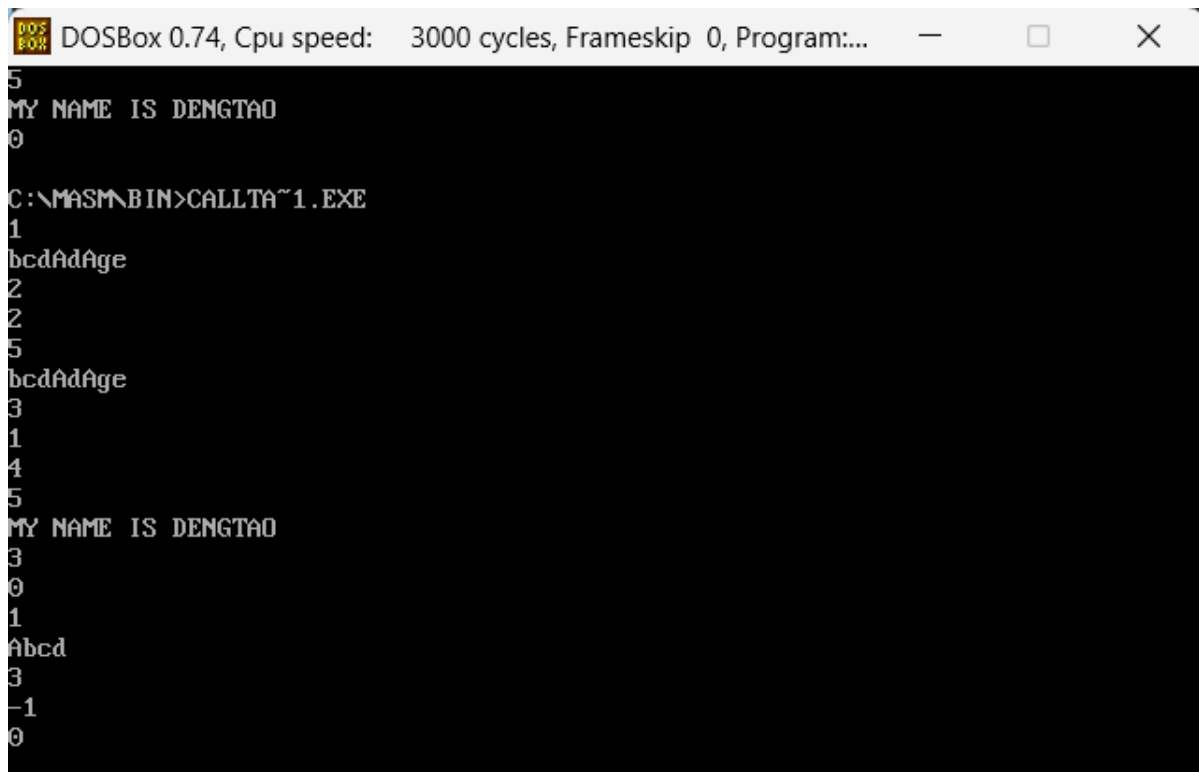
BP = 00001H

(1)

IP (00141H)

push AX (6) = N

### 3. calltable



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:...  
5  
MY NAME IS DENGTAO  
0  
C:\MASM\BIN>CALLTA~1.EXE  
1  
bcdAddAge  
2  
2  
5  
bcdAddAge  
3  
1  
4  
5  
MY NAME IS DENGTAO  
3  
0  
1  
Abcd  
3  
-1  
0
```

功能1输入一个字符串，2号功能查找字符串中A的数量，功能3比较内置字符串“MY NAME IS DENGTAO”和输入字符串，功能4将内置字符串拷贝到输入字符串位置，功能5显示输入字符串，功能0结束程序