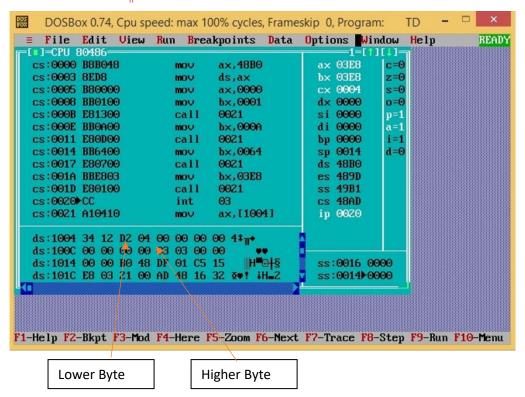
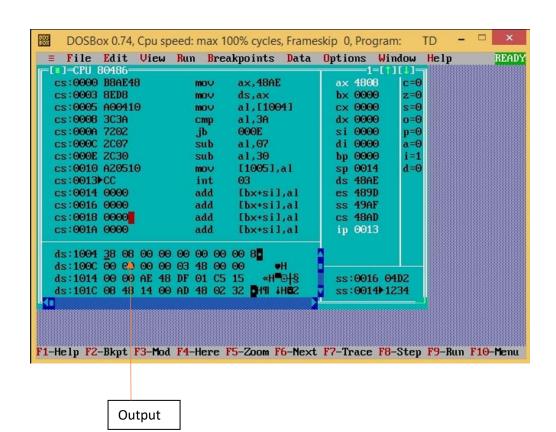
MODEL SMALL	
STACK 20	
ATA0.	
ORG 1000H	
BCD DW 1234H	
HEX DW O	
.co0E	
START:	
MOV AK, @DATA	
MOV 05, AX	
MOV AK, 0000H	
MOV BK, 0001H	
CALL BCD2BIN	
MOV 8K, 000AH	
CALL BCD2BIN	
MOV BK, 0064H	
CALL BC02BIN	
MOV BK, OSE8H	
CALL BCD2BIN	
INT 3	
BCD2BIN PROC NEAR	
MOV AX, BCD	
AND AX, OOFH	
MUL BX	
A00 HEX, AX	
MOV CL, 04	
ROR BCD, CL	
RET	
BCOIBIN ENOP	
ENO START	
-	



MODEL SMALL
STACK 10
ATA0.
ORG 1000H
Hex_Digit OB 38H
ASCII 08 ?
.cooE
START:
MOV AX,@OATA
MOV OS,AX
MOV AL,Hex_Digit
CMP AL, 3AH
JC 50830
SUB AL, 07H
SU830:
SUB AL,30H
MOV ASCII, AL
INT 3
ENO START



P3:

MODEL SMALL
STACK 20
.cooE
START:
MOV AL, 45H
MOV BL, AL
AND AL, OFOH
ROR AL, 4
CALL HEXASC
MOV DL, AL
MOV AH,02
INT 2H
MOV AL, BL
ANO AL, OFH
CALL HEXASC
MOV DL, AL
MOV AH, 02H
INT 2H
MOV AH, 4CH
INT 21H
HEXASC:
CMP AL, OAH
18 40W
A00 AL, 07
NUM:
A00 AL, 30H
RET
ENO START

C:\TASM>TLINK LAB4Q3.0BJ Turbo Link Version 2.0 Copyright (c) 1987, 1988 Borland International

C:\TASM>LAB4Q3.EXE 45 C:\TASM>_

P4:

MODEL SMALL
STACK 10
.co0E
START:
CALL READKB
MOV BL,AL
CALL NXTLINE
CALL READKB
MUL BL
MOV BL, AL
CALL NXTLINE
CALL DISP
MOV AH, 4CH
INT 2H
READKB PROC NEAR
MOV AH, OI
INT 21H
CALL ASCHEX
RET
READKB ENDP
ASCHEX PROC NEAR
CMP AL, 3AH
JC SUB30
SUB AL, 07H
SU830:
SUB AL, 30H
AND AL, OFH
RET
ASCHEX ENOP

NXTLINE PROC NEAR
MOV AH, 2
MOV DL, OAH
INT 2H
MOV DL, 00H
INT 2H
RET
NXTLINE ENOP
DISP PROC NEAR
MOV AL, BL
AND AL, OFOH
ROR AL, 4
CALL HEXASC
MOV DL, AL
INT 2H
MOV AL, BL
AND AL, OFH
CALL HEXASC
MOV DL, AL
MOV AH, 02
INT 21H
RET
OISP ENOP
HEXASC PROC NEAR
CMP AL, 07
NUM;
A00 AL, 30H
RET
HEXASC ENOP
END START

```
C:\TASM>TASM LAB4Q4.ASM
Turbo Assembler Version 3.0 Copyright (c) 1988, 1991 Borland International
Assembling file: LAB4Q4.ASM
Error messages: None
Warning messages: None
Passes: 1
Remaining memory: 475k

C:\TASM>TLINK LAB4Q4.OBJ
Turbo Link Version 2.0 Copyright (c) 1987, 1988 Borland International

C:\TASM>LAB4Q4.EXE
1
4
04
C:\TASM>_
```

MODEL SMALL
GETCHAR MACRO
MOV AH,OIH
INT 2H
ENOM
PUTCHAR MACRO CHAR
MOV AH,OZH
MOV DL,CHAR
INT 2H
ENOM
PRINTF MACRO MSG
MOV AH,09H
LEA OX,MSG
INT 2H
ENOM
.0ATA
MSGI DB "ENTER A CHARACTER:\$"
MSG2 08 "",10,13,"ASCII VALUE\$"
X 08 12
Y 08 34
.co0E
MOV AX,@OATA
MOV OS,AX
PRINTF MSGI
GETCHAR
MOV BH,AL
MOV BLAL
AND BLOFH
CMP BL,OAH

	I
	JL LI
	A00 BL,07H
	LI: A00 BL,30H
	ANO BH,OFOH
	MOV CL,04
	SHR BH,CL
	СМР ВН,ОАН
	JL L2
	A00 BH,07H
	L2:A00 BH,30H
	PUSH BX
	MOV DH,X
	MOV DL,Y
	MOV AH,02H
	INT IOH
	PRINTF MSG2
	POP BX
	PUTCHAR BH
	PUTCHAR BL
	MOV AH,4CH
	INT 2H
	CLS PROC NEAR
	MOV AH,OFH
	INT 10H
	моч Ан,ООН
	IN7 10H
	RET
	CLS ENOP
	EN0
- 1	

