

.MODEL SMALL	MOV CX,4	MOV AH,2H
.STACK 100H	TOP:	MOV DL,A
.DATA	MOV AH,2H	INT 21H
A DB ?	MOV DL,BL	INT 21H
B DB ?	INT 21H	CALL MN
CR EQU 0DH	INC BL	
LF EQU 0AH		MOV AH,2H
.CODE	INT 21H	MOV DL,B
	CALL MN	INT 21H
MN PROC	LOOP TOP	CALL MN
MOV DL,CR	MOV AL,'0'	MOV DL,'Z'
MOV AH,2H		
INT 21H	ADD AL,7	INT 21H
MOV DL,LF	MOV AH,2H	OR DL,32
INT 21H	MOV DL,AL	MOV AH,2H
RET		
MN ENDP	INT 21H	INT 21H
	CALL MN	AND DL,0DFH
MAIN PROC	MOV A,'A'	INT 21H
MOV AX,@DATA	ADD A,3	MOV AH,4CH
MOV DS,AX	MOV B,'9'	INT 21H
		MAIN ENDP
MOV BL,'5'	SUB B,5	END MAIN

.MODEL SMALL	ADD AL, '0'	skip_print:
.STACK 100H	MOV DL, AL	MOV AH, 9
.DATA	MOV AH, 2	LEA DX, newline
msg1 DB 'Output:', 0DH,	INT 21H	INT 21H
0AH, '\$'	JMP skip_print	ADD num, 1
newline DB 0DH, 0AH, '\$'		LOOP print_loop
num DB 1	Print_DD1:	MOV AH, 4CH
.CODE	MOV DL, '1'	INT 21H
MAIN PROC	MOV AH, 2	
MOV AX, @DATA	INT 21H	MAIN ENDP
MOV DS, AX	MOV DL, '0'	END MAIN
MOV AH, 9	MOV AH, 2	
LEA DX, msg1	INT 21H	
INT 21H	JMP skip_print	
MOV CX, 5		
	Print_DD2:	
print_loop:	MOV DL, '1'	
MOV AL, num	MOV AH, 2	
SHL AL, 1	INT 21H	
CMP AL, 10	MOV DL, '2'	
JE Print_DD1	MOV AH, 2	
CMP AL, 12	INT 21H	
JE Print_DD2		

.MODEL SMALL	INT 21H	INT 21H
.STACK 100H	LOOP L1	MOV AH, 9
.DATA	JMP L3	LEA DX, m4
m1 DB 'First Number: \$'	L2:	INT 21H
m2 DB 0AH,0DH, 'Second	MOV DL, '0'	MOV AH, 2
Number: \$'	INT 21H	MOV c2, BH
m3 DB 0AH,0DH, 'Third Number:	LOOP L1	ADD c2, 39H
\$'	L3:	MOV DL, c2
m4 DB 0AH,0DH, 'Fourth	MOV AH, 9	INT 21H
Number: \$'	LEA DX, m2	MOV AH, 9
m5 DB 0AH,0DH, 'Fifth Number:	INT 21H	LEA DX, m5
\$'	MOV AH, 2	INT 21H
c1 DB ?	SUB BH, 37H	MOV AH, 2
c2 DB ?	CMP BH, 10	MOV DL, BH
.CODE	JGE L4	ADD DL, 37H
MAIN PROC	MOV DL, BH	INT 21H
MOV AX, @DATA	ADD DL, 48H	MOV AH, 4CH
MOV DS, AX	INT 21H	INT 21H
	L4:	MAIN ENDP
MOV BH, 'B'	MOV DL, BH	END MAIN
MOV CX, 8	ADD DL, 37H	
MOV AH, 9	INT 21H	
LEA DX, m1	MOV AH, 9	
INT 21H	LEA DX, m3	
L1:	INT 21H	
ROL BH, 1	MOV AH, 2	
MOV AH, 2	MOV c1, BH	
JNC L2	ADD c1, 28H	
MOV DL, '1'	MOV DL, c1	