.MODEL SMALL

.STACK 100H

.DATA

MSG1 DB 'Main Words: $'

MSG2 DB 0DH,0AH,'First Letter : $'

MSG3 DB 0DH,0AH,'Last Letter : $'

MSG4 DB 0DH,0AH,'No Capital Letters $'

FLAG DB 0

FL DB 5BH

LL DB 40H

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG1

MOV AH, 9

INT 21H

MOV AH, 1

INPUT:

INT 21H

MOV BL, AL

CMP BL, 0DH

JE END\_INPUT

CMP BL, "A"

JL INPUT

MOV FLAG, 1

CMP BL, "Z"

JG INPUT

CMP BL, FL

JG NEXT

MOV FL, BL

NEXT:

CMP BL, LL

JL INPUT

MOV LL, BL

JMP INPUT

END\_INPUT:

CMP FLAG, 1

JE DISPLAY

LEA DX, MSG4

MOV AH, 9

INT 21H

JMP END

DISPLAY:

LEA DX, MSG2

MOV AH, 9

INT 21H

MOV AH, 2

MOV DL, FL

INT 21H

LEA DX, MSG3

MOV AH, 9

INT 21H

MOV AH, 2

MOV DL, LL

INT 21H

END:

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN