

**;Write a program to read a string and display each word in separate lines.**

**TITLE WORD**

**.MODEL SMALL**

**.DATA**

**STRLEN DB 20**

**STRSZ DB 00**

**STR DB 20 DUP(' ')**

**STRTRM DB '\$'**

**.STACK**

**.CODE**

**MAIN PROC FAR**

**MOV AX, @DATA**

**MOV DS, AX**

**;; READING STRING**

**LEA DX, STRLEN**

**MOV AH, 0AH**

**INT 21H**

**;; NEW LINE CHARACTER**

**MOV DL, 0DH**

**MOV AH, 02H**

**INT 21H**

**MOV DL, 0AH**

**MOV AH, 02H**

**INT 21H**

**;; PRINTING WORD**

**MOV CX, 00H**

**MOV CL, STRLEN**

**LEA BX, STR**

**L1: MOV DL, [BX]**

**CMP DL, ''**

**JNE EX**

```
;; NEW LINE CHARACTER  
MOV DL, 0DH  
MOV AH, 02H  
INT 21H  
MOV DL, 0AH  
MOV AH, 02H  
INT 21H  
JMP BRK
```

```
EX: MOV AH, 02H  
INT 21H
```

```
BRK: INC BX  
LOOP L1
```

```
;; ENDING PROGRAM  
MOV AX, 4C00H  
INT 21H
```

```
MAIN ENDP  
END MAIN
```