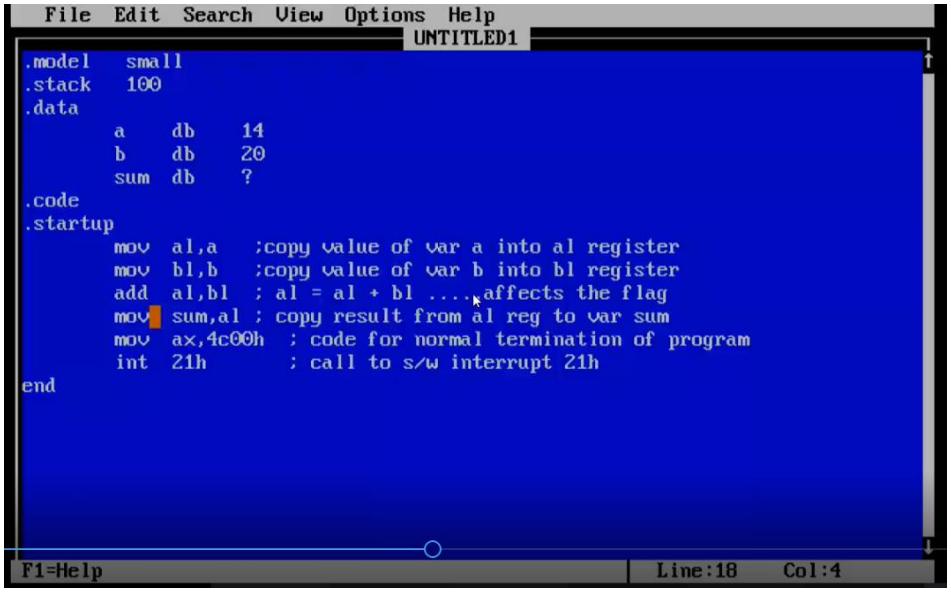
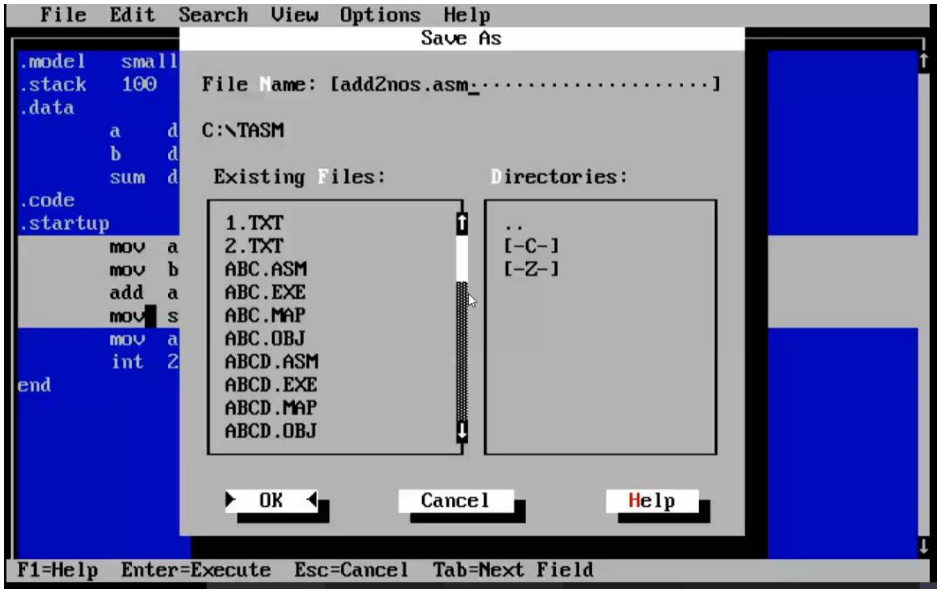
Steps for writing program in TASAM

Step 1 Edit Program



Step 2 Save program



Step 3 Assemble your program

```
C:\TASM>edit

C:\TASM>tasm    add2nos.asm
Turbo Assembler  Version 3.0  Copyright (c) 1988, 1991 Borland International

Assembling file:   add2nos.asm
Error messages:    None
Warning messages:  None
Passes:            1
Remaining memory:  476k


C:\TASM>_
```

Lets see if make some mistake

File Edit Search View Options Help

C:\TASM\ADD2NOS.ASM

```
.model   small
.stack   100
.data
        a     db     14
        b     db     20
        sum   db     ?
.code
.startup
        mov   ax,a    ;copy value of var a into al register
        mov   bl,b    ;copy value of var b into bl register
        add   al,bl   ; al = al + bl ....affects the flag
        mov   sum,al  ; copy result from al reg to var sum
        mov   ax,4c00h  ; code for normal termination of program
        int   21h       ; call to s/w interrupt 21h
end
```

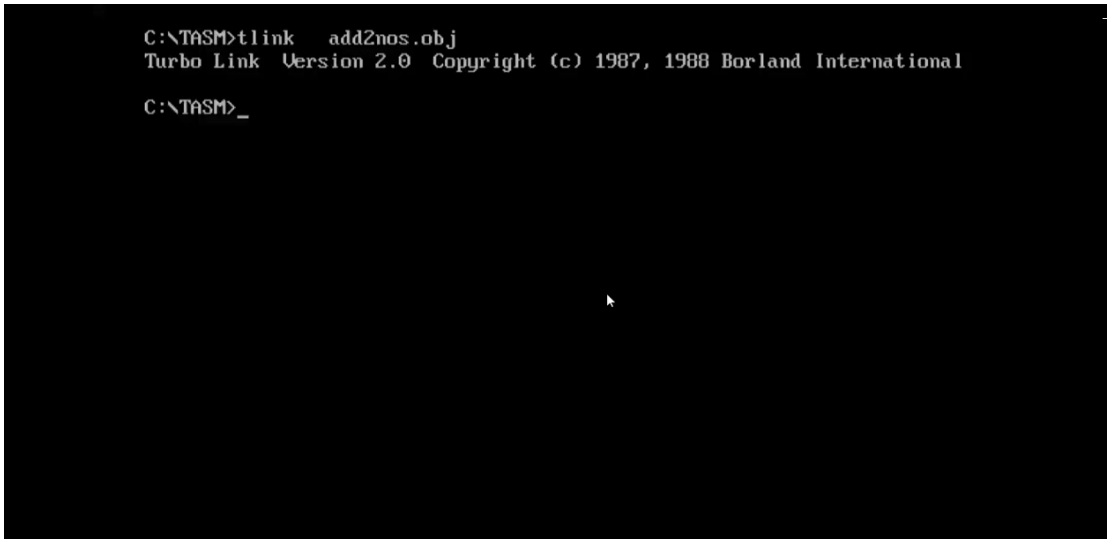
F1=Help Line:9 Col:16

See how assembles make you understand where is the error and what is the error

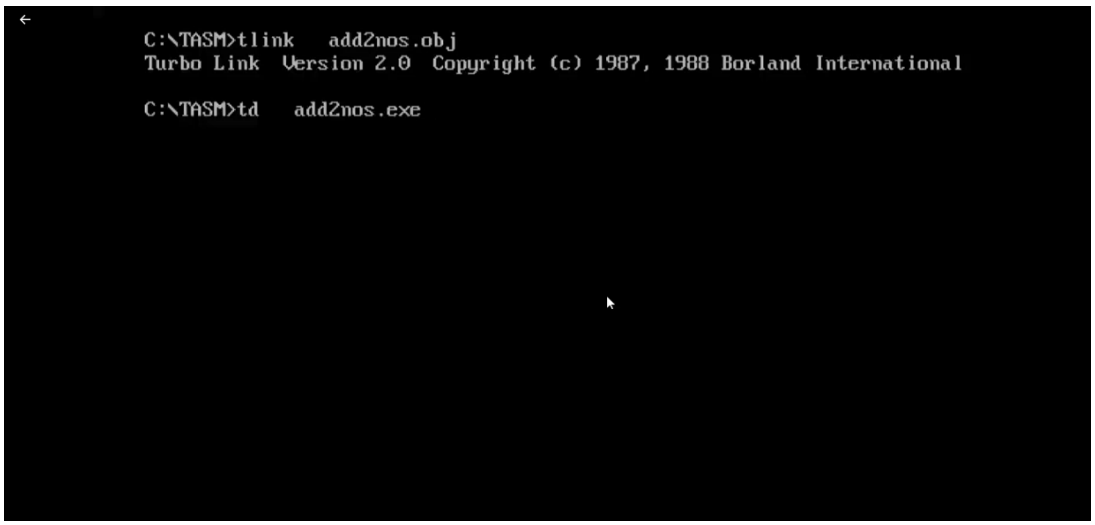
```
C:\TASM>tasm    add2nos.asm
Turbo Assembler  Version 3.0  Copyright (c) 1988, 1991 Borland International

Assembling file:   add2nos.asm
Error messages:    None
Warning messages:  None
Passes:            1
Remaining memory:  476k


C:\TASM>edit  add2nos.asm

C:\TASM>tasm   add2nos.asm
Turbo Assembler  Version 3.0  Copyright (c) 1988, 1991 Borland International

Assembling file:   add2nos.asm
**Error** add2nos.asm(9) Operand types do not match
Error messages:    1
Warning messages:  None
Passes:            1
Remaining memory:  476k
```

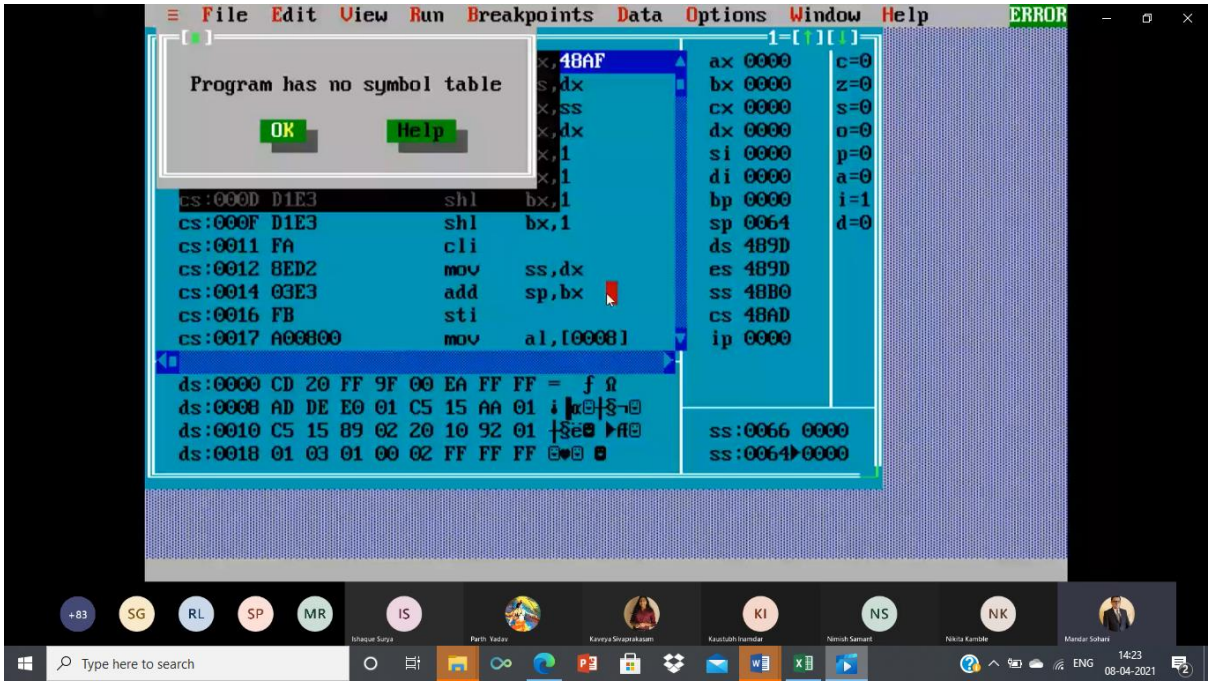
Step 4 :Link your Program

```
Directory of C:\TASM\.
.             <DIR>          22-02-2021 17:01
..            <DIR>          10-07-2018 12:01
1       TXT                625 18-07-2018 18:17
2       TXT                965 18-07-2018 18:37
ABC     ASM                105 19-06-2020 17:02
ABC     EXE                606 29-07-2019 15:33
ABC     MAP                232 29-07-2019 15:33
ABC     OBJ                219 19-06-2020 17:02
ABCD    ASM                 92 26-07-2018 13:02
ABCD    EXE                547 26-07-2018 13:02
ABCD    MAP                203 26-07-2018 13:02
ABCD    OBJ                230 26-07-2018 13:02
ADD2    ASM              1,091 20-01-2013 15:12
ADD2    EXE                694 20-01-2013 15:13
ADD2    MAP                282 20-01-2013 15:13
ADD2    OBJ                382 20-01-2013 15:13
ADD2NOS ASM                490 22-02-2021 17:00
ADD2NOS OBJ                282 22-02-2021 17:01
ADD32   ASM                295 27-07-2018 12:29
ADD32   EXE                572 27-07-2018 12:29
ADD32   MAP                232 27-07-2018 12:29
ADD32   OBJ                311 27-07-2018 12:29
Press any key to continue.
```

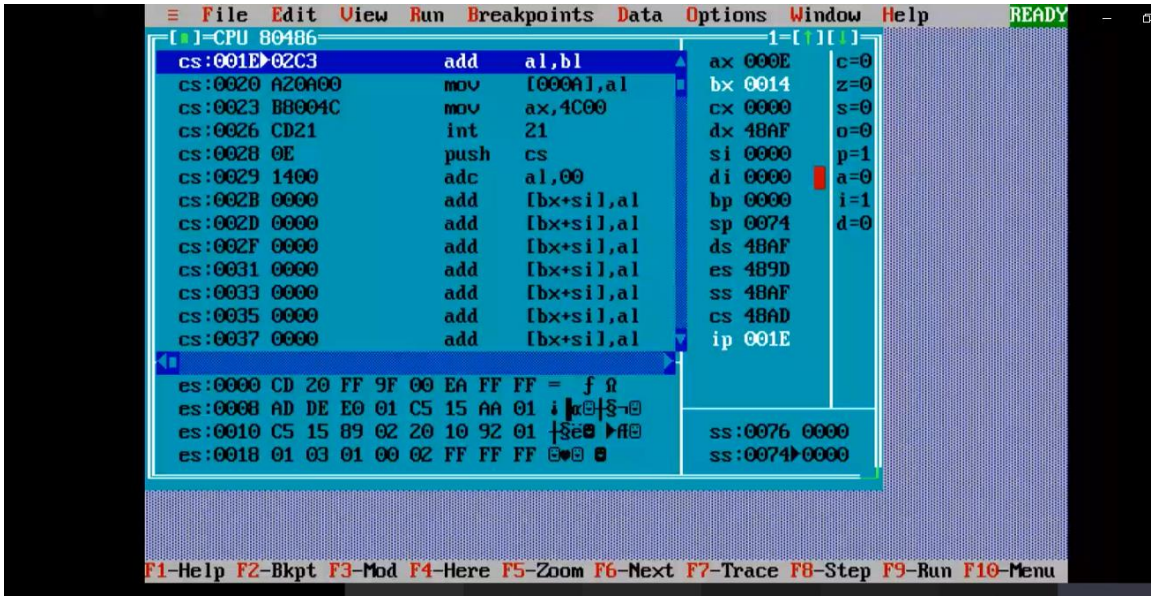


Step 5 Execute your program

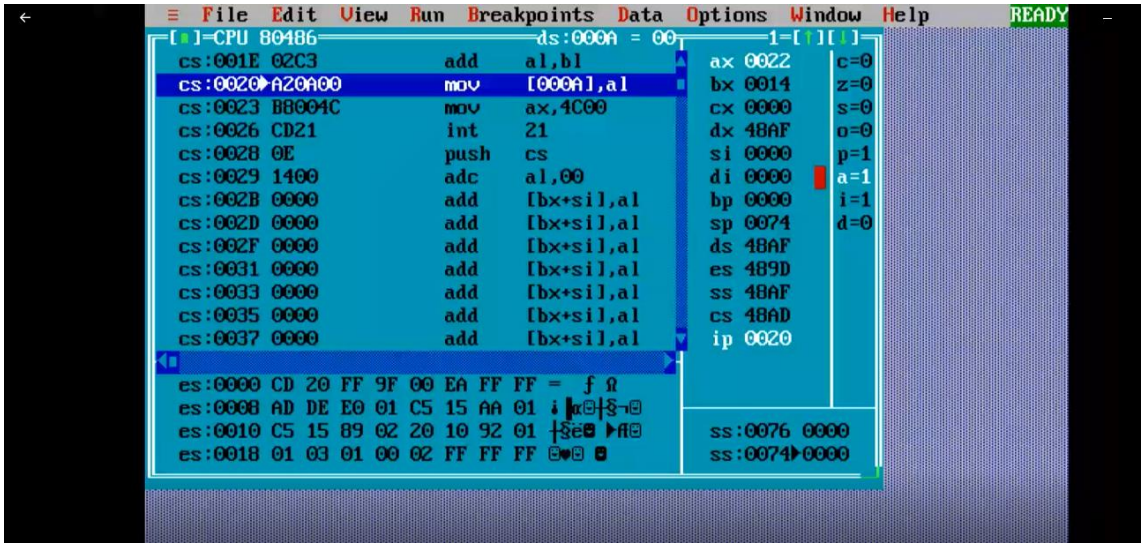




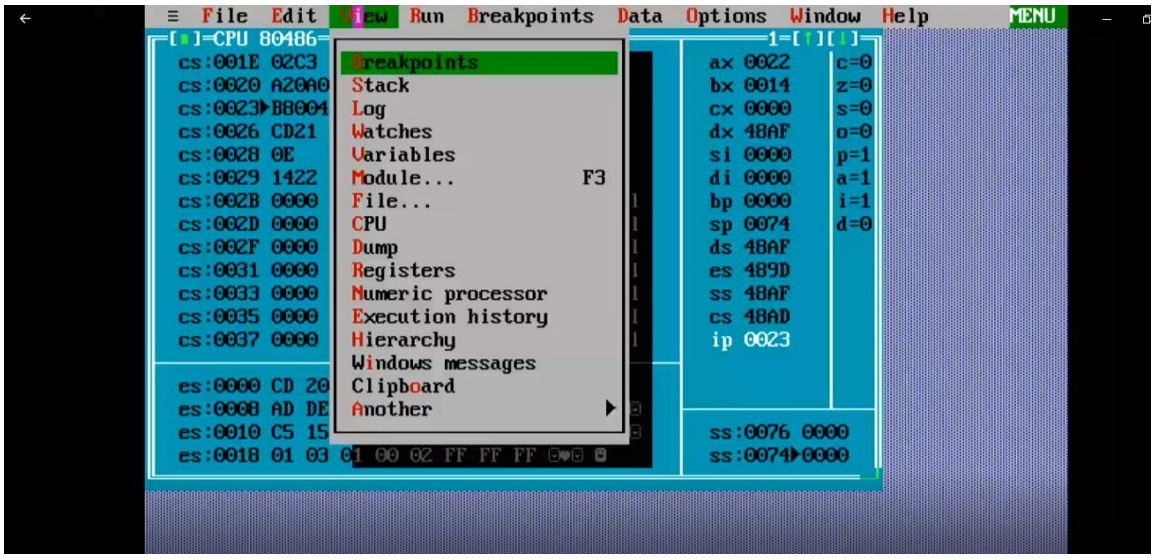
Move both numbers



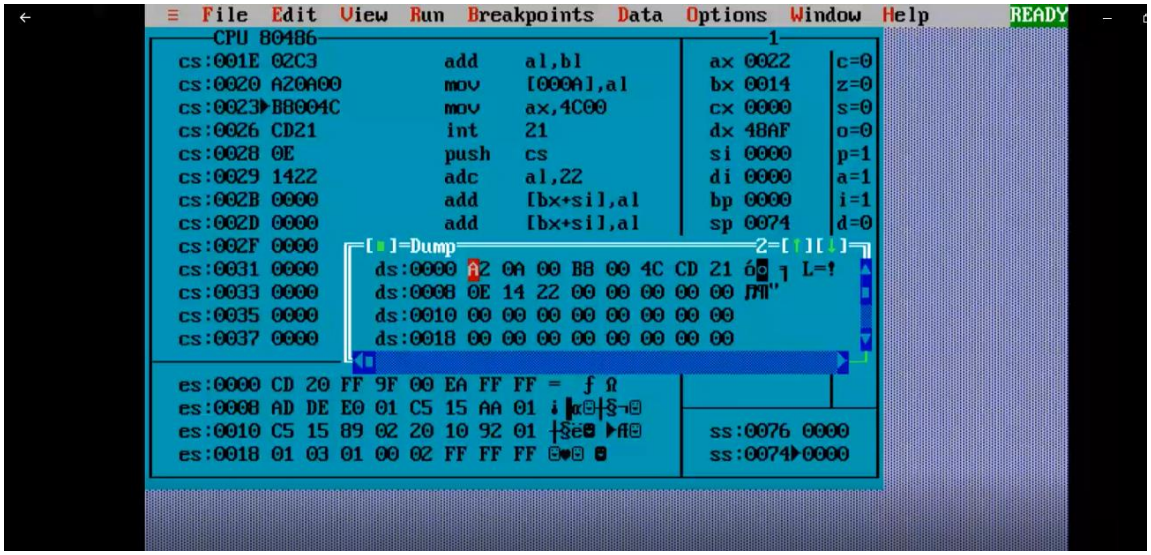
Add both numbers



Go to view option n check data segment content



Check all the operands in data segment



Terminated the program successfully