



Kumpulan Program Assembler (DEBUG & TASM)

DEBUG :

- Mencetak (ABC)

```
Mov ah,02
Mov dl,41
Int 21
Inc dl
Int 21
Inc dl
Int 21
Int 20
-g
ABC
```

```
C:\>debug
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,41
OB12:0104 int 21
OB12:0106 inc dl
OB12:0108 int 21
OB12:010A inc dl
OB12:010C int 21
OB12:010E int 20
OB12:0110
-q
ABC
Program terminated normally
```

- Mencetak (A B C) Dengan Sepasi

```
mov ah,02
mov dl,41
int 21
push dx
mov dl,20
int 21
pop dx
inc dl
int 21
mov dl,20
int 21
mov dl,43
int 21
int 20
-g
A B C
```

```
Program terminated normally
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,41
OB12:0104 int 21
OB12:0106 push dx
OB12:0107 mov dl,20
OB12:0109 int 21
OB12:010B pop dx
OB12:010C inc dl
OB12:010E int 21
OB12:0110 mov dl,20
OB12:0112 int 21
OB12:0114 mov dl,43
OB12:0116 int 21
OB12:0118 int 20
OB12:011A
-q
A B C
Program terminated normally
```

- Mencetak(CBA)

```
mov ah,02
mov dl,43
int 21
dec dl
int 21
dec dl
int 21
int 20
-g
```

```
Program terminated normally
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,43
OB12:0104 int 21
OB12:0106 dec dl
OB12:0108 int 21
OB12:010A dec dl
OB12:010C int 21
OB12:010E int 20
OB12:0110
-q
CBA
Program terminated normally
```



CBA

- Mencetak(CBA) DenganSepasi

mov ah,02

mov dl,43

int 21

push dx

mov dl,20

int 21

pop dx

dec dl

int 21

mov dl,20

int 21

mov dl,41

int 21

int 20

-g

C B A

```
Program terminated normally
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,43
OB12:0104 int 21
OB12:0106 push dx
OB12:0107 mov dl,20
OB12:0109 int 21
OB12:010B pop dx
OB12:010C dec dl
OB12:010E int 21
OB12:0110 mov dl,20
OB12:0112 int 21
OB12:0114 mov dl,41
OB12:0116 int 21
OB12:0118 int 20
OB12:011A
-g
C B A
Program terminated normally
```

Mencetak Dengan ::

INC : (ABC) & (ABC)

```
C:\>debug
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,41
OB12:0104 int 21
OB12:0106 inc dl
OB12:0108 int 21
OB12:010A inc dl
OB12:010C int 21
OB12:010E int 20
OB12:0110
-g
ABC
Program terminated normally
```



```
Program terminated normally
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,41
OB12:0104 int 21
OB12:0106 push dx
OB12:0107 mov dl,20
OB12:0109 int 21
OB12:010B pop dx
OB12:010C inc dl
OB12:010E int 21
OB12:0110 mov dl,20
OB12:0112 int 21
OB12:0114 mov dl,43
OB12:0116 int 21
OB12:0118 int 20
OB12:011A
-g
A B C
Program terminated normally
```

DEC : (CBA) & (CBA)

```
Program terminated normally
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,43
OB12:0104 int 21
OB12:0106 dec dl
OB12:0108 int 21
OB12:010A dec dl
OB12:010C int 21
OB12:010E int 20
OB12:0110
-g
CBA
Program terminated normally
```



```
Program terminated normally
-a100
OB12:0100 mov ah,02
OB12:0102 mov dl,43
OB12:0104 int 21
OB12:0106 push dx
OB12:0107 mov dl,20
OB12:0109 int 21
OB12:010B pop dx
OB12:010C dec dl
OB12:010E int 21
OB12:0110 mov dl,20
OB12:0112 int 21
OB12:0114 mov dl,41
OB12:0116 int 21
OB12:0118 int 20
OB12:011A
-g
C B A
Program terminated normally
```



ADD : (FAN) & (FAN)

The image shows two separate Command Prompt windows, both titled "Command Prompt - debug".

Left Window:

```
C:\>debug
-a100
0B12:0100 mov ah,02
0B12:0102 mov dl,46
0B12:0104 int 21
0B12:0106 mov dl,d1
0B12:0108 sub dl,5
0B12:010B int 21
0B12:010D add dl,d
0B12:0110 int 21
0B12:0112 int 20
0B12:0114
-q
FAN
Program terminated normally
```

Right Window:

```
Program terminated normally
-a100
0B12:0100 mov ah,02
0B12:0102 mov dl,46
0B12:0104 int 21
0B12:0106 mov bl,d1
0B12:0108 mov dl,20
0B12:010A int 21
0B12:010C mov dl,bl
0B12:010E sub dl,5
0B12:0111 int 21
0B12:0113 mov bl,d1
0B12:0115 mov dl,20
0B12:0117 int 21
0B12:0119 mov dl,bl
0B12:011B add dl,d
0B12:011E int 21
0B12:0120 int 20
0B12:0122
-q
F A N
Program terminated normally
```

SUB : (NAF) & (NAF)

The image shows two separate Command Prompt windows, both titled "Command Prompt - debug".

Left Window:

```
Program terminated normally
-a100
0B12:0100 mov ah,02
0B12:0102 mov dl,4e
0B12:0104 int 21
0B12:0106 mov dl,d1
0B12:0108 sub dl,d
0B12:010B int 21
0B12:010D add dl,5
0B12:0110 int 21
0B12:0112 int 20
0B12:0114
-q
NAF
Program terminated normally
```

Right Window:

```
Program terminated normally
-a100
0B12:0100 mov ah,02
0B12:0102 mov dl,4e
0B12:0104 int 21
0B12:0106 mov bl,d1
0B12:0108 mov dl,20
0B12:010A int 21
0B12:010C mov dl,bl
0B12:010E sub dl,d
0B12:0111 int 21
0B12:0113 mov bl,d1
0B12:0115 mov dl,20
0B12:0117 int 21
0B12:0119 mov dl,bl
0B12:011B add dl,5
0B12:011E int 21
0B12:0120 int 20
0B12:0122
-q
N A F
Program terminated normally
```



```
cmd Command Prompt - debug
D:\Users\90kils>debug
-a100
0B10:0100 mov cx,1a
0B10:0103 mov ah,02
0B10:0105 mov dl,41
0B10:0107 int 21
0B10:0109 push dx
0B10:010A add dl,20
0B10:010D int 21
0B10:010F mov dl,20
0B10:0111 int 21
0B10:0113 pop dx
0B10:0114 inc dl
0B10:0116 loop 107
0B10:0118 int 20
0B10:011A
-g
Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz
Program terminated normally
-
```

```
cmd Command Prompt - debug
-a100
0B10:0100 mov cx,1a
0B10:0103 mov ah,02
0B10:0105 mov dl,41
0B10:0107 int 21
0B10:0109 push dx
0B10:010A add dl,20
0B10:010D int 21
0B10:010F inc dl
0B10:0111 int 21
0B10:0113 mov dl,20
0B10:0115 int 21
0B10:0117 pop dx
0B10:0118 inc dl
0B10:011A loop 107
0B10:011C int 20
0B10:011E
-g
Aab Bbc Ccd Dde Eef Ffg Ggh Hhi Iij Jjk Kkl Llm Mmn Nno Oop Ppq Qqr Rrs Sst Ttu
Uuv Vvv Wwx Xxy Yyz Zzc
Program terminated normally
-
```

```
cmd Command Prompt - debug
Program terminated normally
-a100
0B10:0100 mov cx,09
0B10:0103 mov ah,02
0B10:0105 mov dl,31
0B10:0107 int 21
0B10:0109 push dx
0B10:010A add dl,30
0B10:010D int 21
0B10:010F mov dl,20
0B10:0111 int 21
0B10:0113 pop dx
0B10:0114 inc dl
0B10:0116 loop 107
0B10:0118 int 20
0B10:011A
-g
1a 2b 3c 4d 5e 6f 7g 8h 9i
Program terminated normally
-
```

```
cmd Command Prompt - debug
Program terminated normally
-a100
0B10:0100 mov cx,0d
0B10:0103 mov ah,02
0B10:0105 mov dl,61
0B10:0107 int 21
0B10:0109 push dx
0B10:010A sub dl,20
0B10:010D int 21
0B10:010F add dl,20
0B10:0112 int 21
0B10:0114 mov dl,0a
0B10:0116 int 21
0B10:0118 pop dx
0B10:0119 inc dl
0B10:011B loop 107
0B10:011D int 20
0B10:011F
-g
aAa bBb cCc dDd eEe fFf gGg hHh iIi jJj kKk lLl mMm
Program terminated normally
-
```



TASM :

mp.asm - Notepad

```
.model small;
.code;
.org 100h
h:
    Mov ah,06h
    Mov ch,00
    Mov dh,12
    Mov cl,00
    Mov dl,80
    Mov bh,40h
    int 10h
    Mov ah,06h
    Mov ch,13
    Mov dh,24
    Mov cl,00
    Mov dl,80h
    Mov bh,70h
    Int 10h
    Int 20h
end h;
```

Command Prompt

C:\PROGASM>

prancis.asm - Notepad

```
.model small;
.code;
.org 100h
h:
    Mov ah,06h
    Mov ch,00
    Mov dh,80
    Mov cl,00
    Mov dl,27
    Mov bh,10h
    Int 10h
    Mov ah,06h
    Mov ch,00
    Mov dh,80
    Mov cl,28
    Mov dl,54
    Mov bh,70h
    Int 10h
    Mov ah,06h
    Mov ch,00
    Mov dh,80
    Mov cl,54
    Mov dl,80
    Mov bh,40h
    Int 10h
    Int 20h
end h;
```

Command Prompt

C:\PROGASM>



Modul Latihan Bahasa Rakitan

The screenshot shows two windows. On the left is a Notepad window titled "inggris.asm - Notepad" containing assembly code. On the right is a Command Prompt window titled "Command Prompt" showing the output of the program.

inggris.asm - Notepad Content:

```
.model small
.code;
.org 100h
h:
    Mov ah,06h
    Mov ch,00
    Mov dh,19
    Mov cl,00
    Mov dl,50
    Mov bh,70h
    int 10h
    Mov ch,09
    Mov dh,10
    Mov cl,00
    Mov dl,50
    Mov bh,40h
    int 10h
    Mov ch,00
    Mov dh,19
    Mov cl,24
    Mov dl,26
    Mov bh,40h
    int 10h
    int 20h
End h;
```

Command Prompt Output:

```
C:\PROGASM>inggris
C:\PROGASM>
```

The output shows a large red cross on a light gray background.

The screenshot shows three windows. On the left is a Notepad window titled "Jorge.asm - Notepad" containing assembly code. In the center is another assembly code snippet. On the right is a Command Prompt window showing the output of the program.

Jorge.asm - Notepad Content:

```
.model small
.code;
.org 100h
h:
    Mov ah,06h
    Mov ch,00
    Mov dh,19
    Mov cl,00
    Mov dl,50
    Mov bh,70h
    int 10h
    Mov ch,09
    Mov dh,10
    Mov cl,00
    Mov dl,50
    Mov bh,40h
    int 10h
    Mov ch,00
    Mov dh,19
    Mov cl,24
    Mov dl,26
    Mov bh,40h
    int 10h
    int 20h
End h;
```

Central Assembly Code:

```
Mov dl,12
Mov bh,40h
int 10h
Mov ch,04
Mov dh,05
Mov cl,35
Mov dl,42
Mov bh,40h
int 10h
Mov ch,02
Mov dh,07
Mov cl,38
Mov dl,39
Mov bh,40h
int 10h
Mov ch,02
Mov dh,07
Mov cl,38
Mov dl,39
Mov bh,40h
int 10h
Mov ch,14
Mov dh,15
Mov cl,08
Mov dl,15
Mov bh,40h
int 10h
Mov ch,14
Mov dh,15
Mov cl,35
Mov dl,42
Mov bh,40h
int 10h
```

Command Prompt Output:

```
C:\PROGASM>tlink/t jorge
Turbo Link Version 3.0 Copyright (c) 1987, 1990 Bo
C:\PROGASM>jorge
C:\PROGASM>
```

The output shows four smaller red crosses arranged in a square pattern on a light gray background.



```
YNNI.asm ...
File Edit Format View
Help
.Model small;
.code;
.org 100h;
h:
    mov ah,06h;
    mov ch,00;
    mov dh,18;
    mov cl,00;
    mov dl,40;
    mov bh,10h;
    int 10h;

    mov ch,05;
    mov dh,06;
    mov cl,00;
    mov dl,13;
    mov bh,70h;
    int 10h;
        mov ch,00;
        mov dh,10;
        mov cl,05;
        mov dl,07;
        mov bh,70h;
        int 10h;

    mov ch,03;
    mov dh,04;
    mov cl,14;
    mov dl,40;
    mov bh,70h;
    int 10h;

        mov ch,07;
        mov dh,08;
        mov cl,14;
        mov dl,40;
        mov bh,70h;
        int 10h;

    mov ch,11;
    mov dh,12;
    mov cl,00;
    mov dl,40;
    mov bh,70h;
    int 10h;

        mov ch,15;
        mov dh,16;
        mov cl,00;
        mov dl,40;
        mov bh,70h;
        int 10h;
        int 20h;

end h;
```

```
Command Prompt
C:\PROGASM>YNNI
```