Graphics :-Two concepts Straphics ·) Screen is made up of pixels. · Two points connect/ multiple points connect togethar, fill them, image is created, process is called graphics. Graph .- Connect points / Relationship b/w points or objects. Graphics: to draw graph using computer is called computer graphics i.e. graphics. ). In assembly graphics, deep understanding 2). Draw shapes, write text. 3) Games codes. Graphics In Assembly.

1). Interrupt used for graphics, int 10h

2). We know that, mov ah, 2 All set function Service Routine.

Same as different functions in graphics mode, give it in AH & called int 10H after it.

3). Graphics All functions / Service Routines. Ooh: Set Video mode 01h : Set cursor lines Oah : Set cuesar position 03h: Get cuasor position & size O6h: Scroll Window up 07h: Scroll window down. Osh: Read character & attribute 09h: Write character & allribute OAh! Write Character 10h (AL=03h): Toggle blinking / intensity bit OFh: Get video Mode 13h: Write string in teletype mode. u) Program to draw box, function Used for BOX | Square | Rectangle. mov ah, O6h function to deaw Box. int 10h L Scholl up on DOCBOX &creen. 5). For Set height . How many lines up to h fill. Al: Number of lines to be soulled, lines to be filled.

e.g. mov al, 5 -> 5# of lines soull upl filled. 6). If write mor al, ooh, full succen filled 7). For Set Color: Used bh. Mou bh, Color Value. · Color value should given in binary, because of & bits. 00000000 These three (3 bits) we set Back color value in Binney. Single Bit, show intensity, opacity. These three (3) bils for foreground Text Color > Used for Blinking (Any text written blink or not). 1: Blinking. 0: not blinking. Remember 10 Because box not blink, If not writing text (only text will blink), In not writing text the value set 0 or 1, 2) Set 000 for foreground color if only dean Box

Back Color Value in Binary.

Binary	Color
0000	Black
0001	Blue
0010	Green
0011	Cyan
0100	Red
0101	Magenta
0110	Brown
0111	light Gray
1000	Dark Gray
1001	light Blue
1010	Yght Green
1011	light Cyan
1100	Light Red
1101	light Magenta
1110	Yellow
1111	While

Give Colores, mon 6h,00010000b (9).
for Blue color intensity & text set U.
8). Starting Position of Box: Need to guie points.  Set starting quadrante of Box.  Set points in Ch, Cl.  CH: Top Row of Window.  CL: Left Most Column of Window Ch, Cl.
Mou ch, 0 } set first council of someon.
a). Bottom:- DH: Bottom Frow of Window DL: Right most Column of Window
10). Height set by al, Wiath set by ah, al
of guen Mou dh, 24 Mov dl, 24.
11). If write mov dx, 184th full screen quadrants fill.

. model small

.code Main proc. mov ah, 6 -> Set function first mov al, 10 -> No. of lines set. mou bh, coblocoob \_\_\_ set color. mov ch, o I starting position. mov cl, 0 mou dh, 25 get Bottom R left. Call Interupt. int 10h -> Set chick starting position

with chick with help

gobetter with help

gobetter the set of AL. mor ah, 4ch int alh main endp end main



