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#include <graphics.h>
#include <stdlib.h>
#include <stdio.h>
#include <conio.h>

int main(void)
{
    /* request auto detection */
    int gdriver = DETECT, gmode, errorcode;

    /* initialize graphics mode */
    initgraph(&gdriver, &gmode, "");

    /* read result of initialization */
    errorcode = graphresult();

    if (errorcode != grOk) /* an error occurred*/
    {
        printf("Graphics error: %s\n",
               grapherrormsg (errorcode));
        "
        printf("Press any key to halt:");
        "
        getch();
        exit(1);          /* return with error code */
    }

    /* draw a line */
    line(0, 0, getmaxx(), getmaxy());

    /* clean up */
    getch();

#define CLIP_ON 1
/* activates clipping in viewport */
"
    setcolor(getmaxcolor());

    /* message in default full-screen viewport */
    outtextxy(0, 0, " * <-- (0, 0) in default
                                   viewport");

    /* create a smaller viewport */
    setviewport(50, 50, getmaxx()-50,

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                                getmaxy()-50, CLIP_ON);

/* display some text */
outtextxy(0, 0, "*" <-- (0, 0) in smaller
                                viewport");

/* clean up */
getch();
closegraph();
return 0;
}

```

DRAWING

arc	circle	drawpol	ellipse
line	linerel	lineto	moveto
moverel	rectangle		

FILLING

bar	bar3d	fillellipse	fillpoly
floodfill	pieslice	sector	

SCREEN	cleardevice
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VIEWPORTS	setviewport	clearviewport
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IMAGES	putimage	getimage	imagesize
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PIXELS	putpixel	getpixel
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TEXTS	outtext	outtextxy	settextstyle
	settextjustify		

COLORS

setcolor

setbkcolor

setpalette

setallpalette