I We use the simple DDA algorithm to a line with stanting point (2,2) and ending point (6,7) on a fixed based display.

Slope,
$$m = \frac{7-2}{6-2} = \frac{5}{4} = 1.25$$

$$m = \frac{1}{m} = \frac{1}{1.25} = 0.8$$

$$x = 2 + 0.8 [x = x + m]$$

The Draw a line with starting point (2,0) and tends point (7.4) on a pixel based

Now,

x1=2 71=0

1.12 = 2.+3 = 21.12

THE REAL STREET

73=0.8+0.D=1.6=2

14= 1.6+8=2.4=2

75= 7+00 = 2.4+8=3.2=3

76= 7+m= 3.2+8=4

The endpoints of given line are (0.0) and (6.18) compote teach value of y as x steps from 0 to 6 and plot the result.

$$m = \frac{18-0}{6-0} = \frac{18}{6} = 3$$

and, b= ystant - m. x stant

5th step,
$$x=3+1$$
; $y=3.4+0$
= 4 = 12

6th step,
$$x=4+1$$
; $y=3.5+0$
= 5 = 15
7th step, $x=5+1$; $y=3.6+0$