Implementation of Bresnhem line Drawing Algorithm(Python)

Algorithm:Bresenham's Line Drawing

step 1:Input the two end point of the line:(x1,y1) and (x2,y2)

step2:Calculate the diffrences:dx=x2-x1 and dy=y2-y1

step3:Initialize the decision parameter:p0=2dy-dx

step4:Set the starting point:x=x1 and y=y1

step5:Plot the first point(x,y)

step6:Repeat the following steps until x=x2:

If p<0: x=x+1 and p=p+2dy else: x=x+1,y=y+1 and p=p+2(dy-dx),plot the point(x,y)

step7:stop