DDA Algorithm:

Step 1: Input the starting and ending coordinates of the line (x1,y1) and (x2,y2)

Step 2: Calculate the differences

$\Delta x = x_2 - x_1$

$\Delta y = y_2 - y_1$

Step 3: Determine the number of steps

Steps = max(|Δx|, |Δy|)

Step 4: Calculate the increments

$x_{inc} = \frac{\Delta x}{steps}$

$y_{inc} = \frac{\Delta y}{steps}$

Step 5: Initialize the starting point: $x = x_1, y = y_1$

Step 6: Iterate through the number of steps

a) plot the points (round(x_1),round(y_1))

b)$x = x + x_{inc}$

$y = y + y_{inc}$

Step 7: End