Tugas Grafika Komputer

Nama: Muhammad Hildan Alfaris

NPM: 2217051077

Kelas : D

Tugas ke 2 Grafika Komputer Algoritma Pembentukan Garis

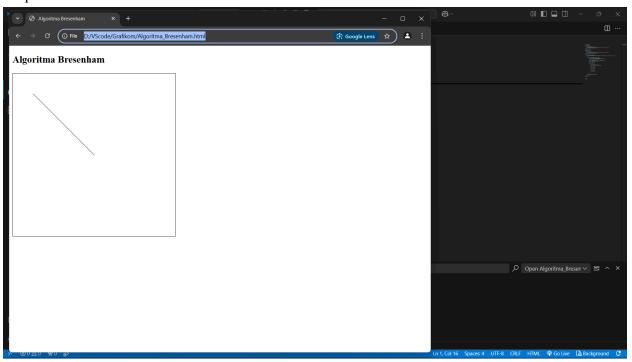
1. Algoritma Bresenham

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Output:



2. Algoritma DDA

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    function DDA(x1, y1, x2, y2) {
      let canvas = document.getElementById("DDA");
      let ctx = canvas.getContext("2d");
                                                                                                                                                                                                                                                                                                                                                                                                                      let dx = x2 - x1;
let dy = y2 - y1;
let steps = Math.max(Math.abs(dx), Math.abs(dy));
                                                                                                                                                                                                                                                                                                                                                                                                                      let xIncrement = dx / steps;
let yIncrement = dy / steps;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ☐ Caught Exceptions☐ Uncaught Except...
                                              > EVENT LISTENER BREAKPO... >
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                                                                                                                                                                                                                                                                                                                                                                                                                 for (let i = 0; i <= steps; i++) {
    ctx.fillRect(Math.round(x), Math.round(y), 1, 1);
    x += xIncrement;
    y += yIncrement;</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ☐ Caught Exceptions☐ Uncaught Except...
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Output:

