Ministry of Higher Education and Scientific Research

University of Anbar

College of Computer Science and Information Technology

Computer Science Department

Computer Graphics 2D

2nd Lab

By:

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Line Drawing

Example:

```
x1 = 10;
y1 = 10;
x2 = 2;
y2 = 6;
dx = x2 - x1;
dy = y2 - y1;
if abs(dx) > abs(dy)
    l = abs(dx);
else
    l = abs(dy);
end
xx = dx / l;
yy= dy / l;
x=xx;
y=yy;
for i=0:l
    plot(x , y, '*');
    hold on;
    grid;
    x=x+xx;
    y=y+yy;
end
```