

\* Assignment NO - 24 Aimi- write a ctt program for line drawing using DDA or Bresenham's algorithm with pattern such as solld, dotted, dashed line - It is the path between two end points we can draw line by two methods: 1) using In-built function: purpose: - Oraw aline between two specific point syntax: - Void for line (intx: int; int x2, inty) This function used to set the linestyle and width or pattern Void for settinesyte (int style, unsigned pattern int thickness). Three Style are. 1> Bolid line 2) Dashed line 3) Dotted line Thickness' -Normal - Ipixel Thiux 8-pixel. 2) Using ' pixel filling (by logic) \* solid line:-

we can use general line drawing algorithme display solid line . e.g. DDD or Bresenham's

line drawing algorithms we can easily modify the general line dra algorithm to display dashed line. We had to plot alternative group of pixel at the line to get dashed line. \* Dotted line :we can easily modify the general lin drawing algorithm to display dotted line plotting alternative pixel in line \* properties of good line drawing algorithm

1) Straight line should appear as straight 2) They should start and ends accur 3) Displayed lines should have constant b along their length independent of the lin length and orientation 4) line should be drawn rapidly Différence between DDA line drawing algorithm and Bresenhamis line draw