Name- Ishika kakkan course- BCA B rollus - 1121066 Subject - Computer graphics Signature- Johika

R write an algorithm and program to implement floodfill algorithm using 8 connected approach.

# indude < Stdio. h7 # indude < graphics. L7 void floodfill cintx, inty, intold, intrewed) int coverent; cannent = gelpixel (x,y); if courent = = old) delay (S), putpixel cxy, new col, floodfil (x+1, old, newcol); floodfill (x-1, old, newcol);

floodfill c sig +1, old, newcols, gloodfill (xy-1, old, newcol); 00/A floodfill cx+1,y+1,old, newcol); floodfill cx-1, y+1, old, new col, floodfill cat, y-1, old, new cols. gloodfill Cx-1,y-1, old, new col. void mains intgd = DETECT, gun; init graph (8 gd, 2 gm, "1); ne dangle (50, 50, 150, 150); \$100 de 191 (70, 70,0,15). getch (); Josegraph ();

## Algosithm

gloodfill cry, oldcolog, new cologn)

stopped 1) If x on y is outside the

soneen, then network

- as old colon them
- 3, Recur for top, bottom, night, left

  gloodfill (x, y, old colon, new colon)

  floodfill (x+1, y, old colon, new colon)

  floodfill (x-1, y, old colon, new colon)

  floodfill (x+1, y+1, old colon, new colon)

  floodfill (x+1, y+1, old colon, new colon)

  floodfill (x+1, y-1, old colon, new colon)

  floodfill (x+1, y-1, old colon, new colon)

  floodfill (x+1, y-1, old colon, new colon)

