Name-Navya Negi Course-BCA Section-B Roll no. - 08 University Rollno. - 1121088 Subject - Computer Graphics and animations 9-1> Write an algorithm and program to implement Floodfill Algorithm using 8 connected. approach. Step-1 - Initialize the value of seed point (seedox, seedy), f color and devl-Algorithm > Step-2-Define the boundary values of the polygon. 98tep-3-Check if the current seed point is of default color then repeat the steps 4 and 5 till the boundary pixels reached: (it gethixel(x, y)=dcol then repeat Step 4 and 5) Step 4 and 5) color at the default color with the fill (a) of the seed point. (setpixel (seed x, seedy, fcot) & leb-5- Recursively to low the procedure with 4 neighbourhood points. +100dfill / Seeda-1, seedy, foot, dool) floodfill (seed a +1, seedy, fcol, dcol) floodfill (seed x, seedy-1, fcol, deol)
thoodfill (seed x, seedy+1, fcol, deol) Hood till I seed a -1, seedy +1, tool, devel) flood fill (seed x+1, seedy + 1, fcot, deol)

flood fill (seed x+1, seedy - 1, fcot, deol)

flood fill (seed x+1, seedy - 1, fcot, deol)

step-6 - 2xit.

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Program 7
# include < stdio. h>
# include < graphics. h>
# include < conio. h > void floodfill (inta, inty, intold, intrewal)
# include < dos. h >
     int current;
current = gethiscel, (oc, y);
if (current = z old)
        delay (5);
futfriscel (x, y, newcol);
floodfill (x+1, y, old, newcol);
floodfill | x-1, y, old, newcol);
 floodfill | x, y+1, old, newcol);
 ploodfill oc, y-1, old, newcol);
 Hoodfill octi, y +1, old, newcol);
 floodfill (x-1, y+1, old, newcol);
 floodfill | x+1, y-1, old, newcol);
 floodfill (x-1, y-1), old, newcol);
 void main!)
   integd = DETECT, gm;
initgraph (4 gd, 4 gm,
                                c: | TURBOC3 | \ BGI");
```

rectangle (50,50,150,150);

flordfill (70,70,0,15);

getch ();

closegraph();

