Name-Rishath Kadyan ROU no. - 1121110 (29) Class - BCA 6 B Subject - Computer Graphics.

Aus 1. #include (stdio.h) Hinclude Agraphics. h) #include (dos. h) #include Lconio.h> void floodfi'l (int x, inty, int old, int new cob) int current; current = get pixel (n, y); if( current = = old) delay (5); putpixel (n, y, newcol); floodfil (n+1, y, old, new col); feood fil (n-1, y, old, new col); floodfil (n,y+1, old, new col); floodfill (n, y-1, old, new col); flood fil (n+1, y+1, old, new col); flood fill (x-1, y+1, old, new wol); flood fill (n+1, y-1, old, new col); flood fill (n-1,y-1, old, newood); void main ()

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int gd = DETECT, gm; initgraph (Agd, Egm, "C: | TURBOC311BGI"); rectangle (50,50,150,150); floodfill (70,70,0,15); getch (); close graph ();

Algorithm

Algorithm Step 1 - Initialize the value of seed point ( seed x, seedy), foolor and dool Step 2 - Define the boundary values of polygon. Step 3 - check if the current seed point is of 4 and 5 till the boundary pixels reached. If get pixel (n,y)=dcol then repeat step of and s Step 4 - Change the default color with the fiy color at the seed point. Ser Pixel (seedx, seedy, feel) Steps - Recursively follow the procedure with four neighbourhood points. Flood Fill ( seed x -1, seedy, fool, dol) Plood Fiy (seed x+1, seedy, feol, deol) flood Fi'4 ( seed x, seed y -1, fcol, dcol) Flood Fiy ( seed x, seedy +1, fcol, dcol)

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Algorithm

Flood Fiu (seed x-1, seed y+1, feol, deol)

Flood Fiu (seed x +1, seed y+1, teol, deol)

Flood Fiu (seed x+1, seed y-1, feol, deol)

Flood Fiu (seed x-1, seed y-1, feol, deol)

Flood Fiu (seed x-1, seed y-1, feol, deol)

Step 6 - Exit.

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