flood fill (2+1,4+1, ald alos, now alos); (sular over, solow blo, 1-4, 1-20) (18) Booth froodfill (20-1, 4-1, old-c, new-c); froodfill (2-1,4+1,00d~, newc.);

Boundary fill algorithm. boundary fell (24, y, f-volvour, 6-volver) & If (get plxel (x,y)!=b-laber && get plxel (x,y)!

put plxel (x,y, t-wlos)

boundary fill (x+1, y, t-wlos)

boundary fill (x, y+1);

boundary fill (x-1, y, t-wlos);

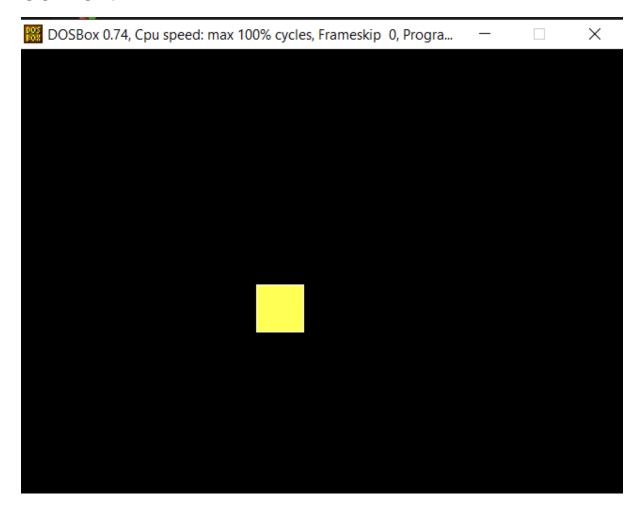
boundary fill (x-1, y, t-wlos);

boundary fill (x, y-1, t-wlos);

PROGRAM:

```
Code: Flood Fill
#include<stdio.h>
#include<graphics.h>
#include<conio.h>
void fooldfill(int x, int y, int fill, int old){
      if(getpixel(x,y)==old){
              putpixel(x,y,fill);
              fooldfill(x+1,y,fill,old);
              fooldfill(x,y+1,fill,old);
              fooldfill(x-1,y,fill,old);
              fooldfill(x,y-1,fill,old);
       }
}
int main(){
      int gm, gd=DETECT;
       int x,y;
      initgraph(&gd,&gm,"c:\\turboc3\\bgi");
      rectangle(250,250,300,300);
       fooldfill(260,260,YELLOW,0);
       delay(5000);
      getch();
      closegraph();
       return 0;
}
```

OUTPUT:



Code 2: Boundary Fill

```
#include<stdio.h>
#include<graphic.h>
void boundaryfill(int x, int y, int fill, int boundary){
       if(getpixel(x,y)!=boundary && getpixel(x,y)!=fill)
       putpixel(x,y,fill);
       boundaryfill(x+1,y,fill,boundary);
       boundaryfill(x-1,y,fill,boundary);
       boundaryfill(x,y+1,fill,boundary);
       boundaryfill(x,y-1,fill,boundary);
       boundaryfill(x+1,y+1,fill,boundary);
       boundaryfill(x+1,y-1,fill,boundary);
       boundaryfill(x-1,y+1,fill,boundary);
       boundaryfill(x-1,y-1,fill,boundary);
       }
}
int main(){
       int gm, gd=DETECT;
       int x,y;
       initgraph(&gd,&gm,"c:\\turboc3\\bgi");
       rectangle(100,100,50,50);
       boundaryfill(55,55,10,15);
       delay(5000);
       getch();
       closegraph();
       return 0;
}
```

OUTPUT:

