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Section :- A

Subject :- Computer Graphics
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Question-

Traffic Light Animation

```
#include <graphics.h>
#include <stdio.h>
#include <conio.h>
int main()
{
    int gd = DETECT, gm;
    initgraph (&gd, &gm, "NULL");
    /* Road */
    Line (0, 200, getmaxx(), 200);
    Line (0, 360, getmaxx(), 360);
    /* zebra Crossing */
    Setcolor (WHITE);
    rectangle (150, 210, 260, 230);
    floodfill (152, 220, WHITE);
    rectangle (150, 240, 260, 260);
    floodfill (152, 241, WHITE);
```

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```
rectangle(150,270,260,290);
floodfill(152,271,WHITE);
rectangle(150,300,260,320);
floodfill(152,301,WHITE);
rectangle(150,330,260,350);
floodfill(152,331,WHITE);
/* Traffic light */
setcolor(WHITE);
rectangle(140,200,145,300);
setcolor(RED)
circle(142,82,6);
floodfill(142,82,RED)
setcolor(YELLOW);
circle(142,100,6);
floodfill(142,100,YELLOW);
setcolor(GREEN);
circle(142,118,6);
floodfill(143,118,GREEN);
setcolor(WHITE);
rectangle(150,180,250,300);
rectangle(250,180,420,300);
rectangle(180,250,220,300);
```

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```
line(200,100,150,180);
line(200,100,250,180);
Line(200,100,370,100);
Line(370,100,420,180);
Setcolor(BROWN);
floodfill(152,182,WHITE);
floodfill(252,182,WHITE);
Setcolor(LIGHTRED);
floodfill(200,105,WHITE);
floodfill(210,105,WHITE);
getch();
closegraph();
return 0;
}
```

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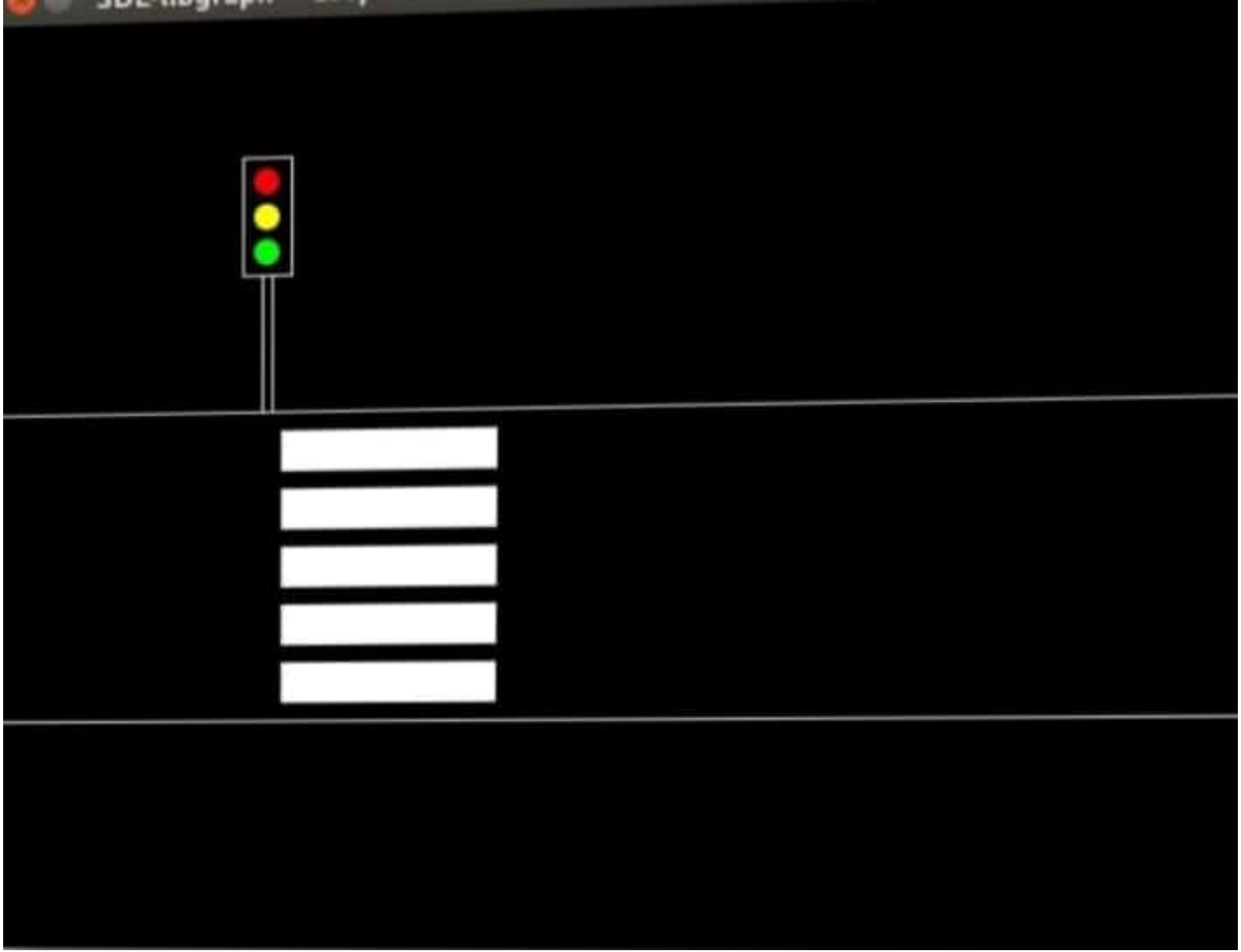

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