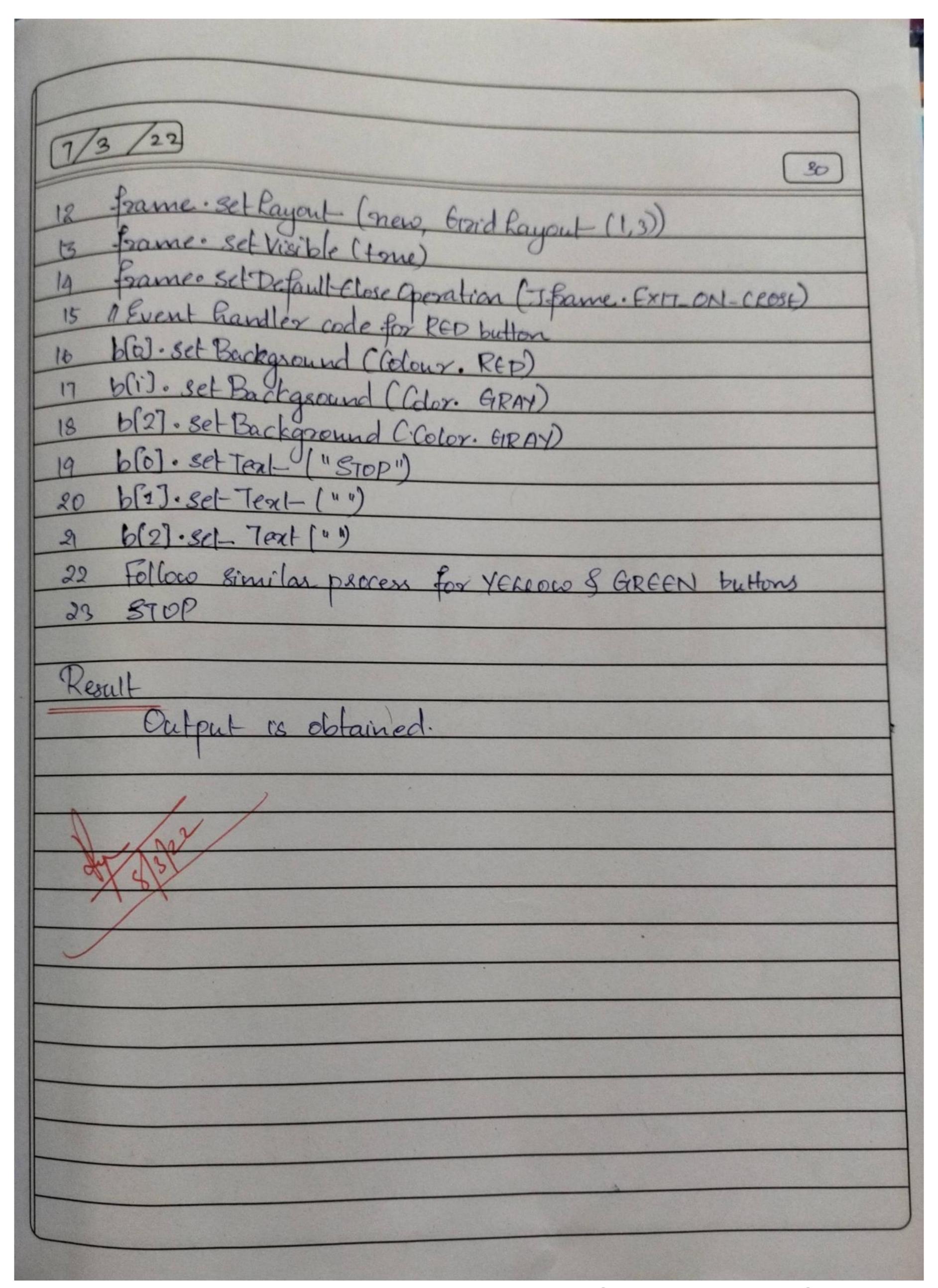
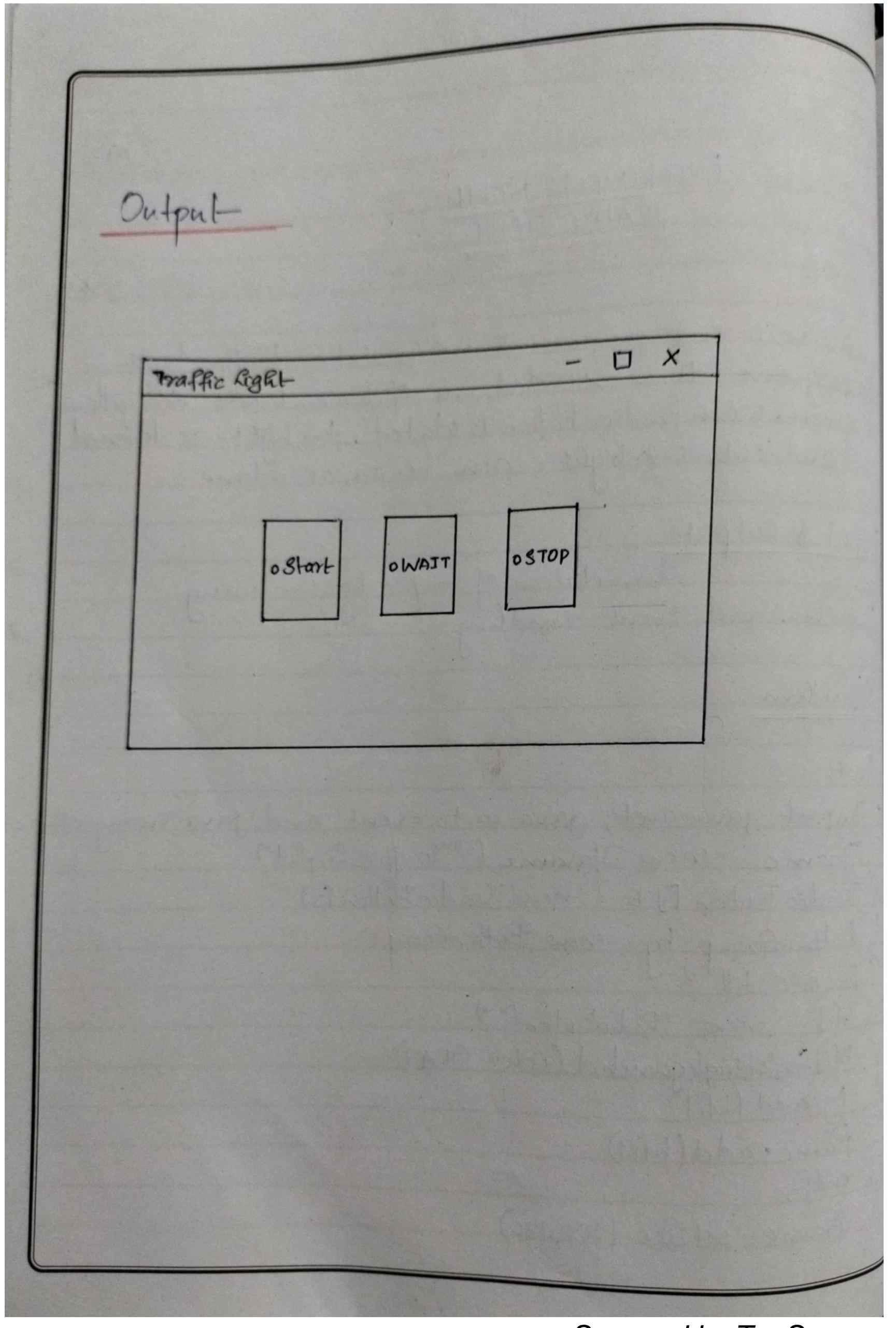
EXPERIMENT NO: 11 TRAFFIC RIGHT the program hets user select one of three lights sed yellow or green. When radio button is selected, the light is turned on and only one light— can be on at a time. Java Gui and Event Handling Algorithm Import java-anot, java-anot. event and java-swing classes 2 Frame : new Harame ("Traffir Right") 3 TRadio Button [] b = new Jeadro Button [3] 4 Button Group bg = new Button Group()

5 for r=0 till 3

6 blil = enew JRadio Button ["") [b(i). sel-Background (color. GIRAY) bg.add (b[i]) frame. add (b[i]) Endfor frame. set Size (800, 130)





Scanned by TapScanner

```
1/327
//Devika B
//Section E : Qn 2
//Traffic Light
import java, awt. *;
import java.awt.ovont. +;
import javan.swing.";
public class traffic [
   JFrame T - new JFrame ("Traffic light");
  traffic() (
    TPanel pl = new TPanel();
    TPanel p2 = new TPanel();
    TPanel p3 = new JPanel();
    JPanel p1 = new JPanel();
    JPanel p5 = new JPanel();
    JPanel p6 = new JPanel();
    JPanel p7 = new JPanel();
    JRadioButton b[] - now JRadioButton[3];
    ButtonGroup bg = new ButtonGroup();
    b[0] - new JRadioButton("Start");
    b[0].setBackground(Color.WHITE);
    b[1] - now JRadioButton("WAIT");
    b[1].setBackground(Color.WHTTE);
    b[2] - new JRadioButton("STOP");
    b[2].setBackground(Color.WHITE);
    bg.add(b[0]);
    bg.add(b[1]);
    bg.add(b[2]);
    pl.set.Background (Color.BI.ACK);
    p2.set.Background (Color.BLACK);
     p3.setBackground(Color.BLACK);
     p1.set.Background(Color.BLACK);
     p5.setBackground(Color.BLACK);
     p6.setBackground(Color.BLACK);
     p7.setBackground(Color.BLACK);
     p2.add(p1);
     p2.add(b[0]);
     p2.add(p5);
     p2.add(b[1]);
     p2.add(p6);
     p2.add(b[2]);
     p2.add(p7);
     p2.setLayout (new GridLayout (1, 7));
     T.add(p1);
     T.add(p2);
     T.add (p3);
     T.setSize(450, 300);
     T. setLayout (new GridLayout (3, 1));
     T. setVisible (true);
     T.setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
     b[0].addActionListener(new ActionListener() {
       public void actionPorformed(ActionEvent e) {
        h[0].setBackground(Color.GREEN);
         b[1].set.Background(Color.WHITE);
        b[2].setBackground(Color.WHITE);
    b[1].addActionListener(new ActionListener()
      public void actionPorformed(ActionEvent
         h[0].set.Background(col
```

```
DITT. SHT. Hackground (Color. YELLOW);
     b[2].set.Background(Color.WHTTE);
  b[2].addActionListener(new ActionListener() {
   public void actionPerformed(ActionEvent e) {
     b[0].set.Background(Color.WHTTE);
     b[1].set.Background(Color.WHTTE);
     b[2].set.Background(Color.RED);
public static void main(String[] args) {
  now traffic();
```