1. Answer the questions referring to the program below.

a) How many panels are created by this program? _3_

- List all the variable identifiers that refer to panels:

  __p1, p2, p3__

- In the list above, circle the ones that can be considered subpanels of other panels.

b) Draw a picture that depicts the GUI for this program. Be sure to label everything (p1, p2, p3, label1, label2, label3), colors used (use an arrow to point at a region and write its color); don’t worry too much about placement (I am looking for the logical structure, rather than exact layout).

```java
import java.awt.*;
import javax.swing.*;
public class Quiz6a {
    public static void main (String[] args) {
        JFrame frame = new JFrame("Smiling");

        JPanel p1 = new JPanel();
        p1.setBackground(Color.green);

        JPanel p2 = new JPanel();
        p2.setBackground(Color.red);
        JLabel label1 = new JLabel("Fall");
        JLabel label2 = new JLabel("Break");

        JPanel p3 = new JPanel();
        p3.setBackground(Color.yellow);
        ImageIcon pic = new ImageIcon("smiley.jpeg");
        JLabel label3 = new JLabel("Happy", pic, SwingConstants.RIGHT);

        p2.add(label1);
        p2.add(label2);
        p3.add(label3);
        p1.add(p3);
        p1.add(p2);
        frame.getContentPane().add(p1);
        frame.pack();
        frame.setVisible(true);
    }
}
```
1. Answer the questions referring to the program below.

a) How many panels are created by this program? 3

- List all the variable identifiers that refer to panels:

  p1, p2, p3

- In the list above, circle the ones that can be considered subpanels of other panels.

b) Draw a picture that depicts the GUI for this program. Be sure to label everything (p1, p2, p3, labelA, labelB, labelC), colors used (use an arrow to point at a region and write its color); don’t worry too much about placement (I am looking for the logical structure, rather than exact layout).

```java
import java.awt.*;
import javax.swing.*;
public class Quiz6b
{
    public static void main (String[] args)
    {
        JFrame frame = new JFrame ("Fall Break");

        JPanel p1 = new JPanel();
        p1.setBackground (Color.blue);
        JLabel labelA = new JLabel ("Sleeping");
        JLabel labelB = new JLabel ("Eating");

        JPanel p2 = new JPanel();
        p2.setBackground (Color.red);
        ImageIcon pic = new ImageIcon ("smiley.jpeg");
        JLabel labelC = new JLabel ("Smiling", pic, SwingConstants.RIGHT);

        JPanel p3 = new JPanel();
        p3.setBackground (Color.yellow);

        p1.add (labelA);
        p1.add (labelB);
        p2.add (labelC);
        p3.add (p1);
        p3.add (p2);
        frame.getContentPane().add(p3);
        frame.pack();
        frame.setVisible(true);
    }
}
```