

Java project

```
package clock;

import java.awt.Color;
import java.awt.FlowLayout;
import java.awt.Font;
import java.text.SimpleDateFormat;
import java.util.Calendar;

import javax.swing.JFrame;
import javax.swing.JLabel;

public class myframe extends JFrame {

    Calendar calendar;
    SimpleDateFormat timeFormat;
    SimpleDateFormat dayFormat;
    SimpleDateFormat dateFormat;
    JLabel timelabel;
    JLabel daylabel;
    JLabel datelabel;
    String time;
    String day;
    String date;

    myframe() {
        this.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.setTitle("My clock program");
        this.setLayout(new FlowLayout());
        this.setSize(350, 200);
        this.setResizable(false);

        timeFormat = new SimpleDateFormat("hh:mm:ss a");
        dayFormat = new SimpleDateFormat("EEEE");
        dateFormat = new SimpleDateFormat("MMMM dd , yyyy");
        timelabel = new JLabel();
        timelabel.setFont(new Font("verdana", Font.PLAIN, 50));
        timelabel.setForeground(new Color(0x00FF00));
        timelabel.setBackground(Color.black);
        timelabel.setOpaque(true);

        daylabel = new JLabel();
        daylabel.setFont(new Font("Ink Free", Font.PLAIN, 45));

        datelabel = new JLabel();
        daylabel.setFont(new Font("Ink Free", Font.PLAIN, 25));

        this.add(timelabel);
        this.add(daylabel);
        this.add(datelabel);
        this.setVisible(true);
    }
}
```

```

        setTime();
    }
    public void setTime()
    {
        while(true) {
            time = timeFormat.format(Calendar.getInstance().getTime());
            timelabel.setText(time);

            day = dayFormat.format(Calendar.getInstance().getTime());
            daylabel.setText(day);

            date=dateFormat.format(Calendar.getInstance().getTime());
            datelabel.setText(date);

            try {
                Thread.sleep(1000);
            } catch (InterruptedException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
        }
    }
}

package clock;

public class main {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        new myframe();
    }
}

```

OUTPUT :

