

**APPLET DIGITAL CLOCK:**

```
import java.applet.*;
import java.awt.*;
import java.util.*;
import java.text.*;

public class AppletDigitalClock extends Applet implements Runnable {

    Thread th = null;
    int hours=0, minutes=0, seconds=0, miliSeconds=0;
    java.lang.String timeString = "";

    public void init() {
        setBackground( Color.white);
    }

    public void start() {
        th = new Thread( this );
        th.start();
    }

    public void run() {
        try {
            while (true) {

                Calendar calndr = Calendar.getInstance();
                hours = calndr.get( Calendar.HOUR_OF_DAY );
                if ( hours > 12 ) hours -= 12;
                minutes = calndr.get( Calendar.MINUTE );
                seconds = calndr.get( Calendar.SECOND );
                miliSeconds=calndr.get(Calendar.MILLISECOND);
```

```
SimpleDateFormat formatter = new SimpleDateFormat("hh:mm:ss.ms");
Date date = calndr.getTime();
timeString = formatter.format( date );

repaint();
 th.sleep( 1000 ); |
}
}
catch (Exception e) { }
}

public void paint( Graphics g ) {
    g.setColor( Color.red );
    g.drawString( timeString, 60, 100 );
}
}
```

## OUTPUT:



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