Android Analog clock and Digital clock example

The **android.widget.AnalogClock** and **android.widget.DigitalClock** classes provides the functionality to display analog and digital clocks.

Android analog and digital clocks are used to show time in android application.

Android AnalogClock is the subclass of View class.

Android DigitalClock is the subclass of TextView class. Since Android API level 17, it is *deprecated*. You are recommended to use **TextClock** Instead.

***Note: Analog and Digital clocks cannot be used to change the time of the device. To do so, you need to use DatePicker and TimePicker.***

In android, you need to drag **analog and digital clocks** from the pallet to display analog and digital clocks. It represents the timing of the current device.

**activity\_main.xml**

Now, drag the analog and digital clocks, now the xml file will look like this.

*File: activity\_main.xml*

**<RelativeLayout** xmlns:androclass="http://schemas.android.com/apk/res/android"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    tools:context=".MainActivity" **>**

**<AnalogClock**

        android:id="@+id/analogClock1"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_alignParentTop="true"

        android:layout\_centerHorizontal="true"

        android:layout\_marginTop="22dp" **/>**

**<DigitalClock**

        android:id="@+id/digitalClock1"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_below="@+id/analogClock1"

        android:layout\_centerHorizontal="true"

        android:layout\_marginTop="81dp"

        android:text="DigitalClock" **/>**

**</RelativeLayout>**

**Activity class**

We have not write any code here.

*File: MainActivity.java*

**package** com.example.analogdigital;

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**public** **class** MainActivity **extends** Activity {

    @Override

**protected** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

    }

    @Override

**public** **boolean** onCreateOptionsMenu(Menu menu) {

        // Inflate the menu; this adds items to the action bar if it is present.

        getMenuInflater().inflate(R.menu.activity\_main, menu);

**return** **true**;

    }

}

**Output:**



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