

Practical No. 16

JAVA CODE

```
package com.example.a16prac;

import androidx.appcompat.app.AppCompatActivity;
import android.app.DatePickerDialog;
import android.app.TimePickerDialog;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.TimePicker;
import java.util.Calendar;

public class MainActivity extends AppCompatActivity {

    EditText et1, et2;

    Button b1,b2;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        et1= findViewById(R.id.textView);

        et2= findViewById(R.id.textView2);

        b1= findViewById(R.id.button);

        b2= findViewById(R.id.button2);

        DatePickerDialog.OnDateSetListener d1=new DatePickerDialog.OnDateSetListener() {

            @Override

            public void onDateSet(DatePicker datePicker, int y, int m, int d) {

                et1.setText(d+"/"+m+"/"+y);

            }

        }
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};

TimePickerDialog.OnTimeSetListener t1=new TimePickerDialog.OnTimeSetListener() {

    @Override

    public void onTimeSet(TimePicker timePicker, int h, int m) {

et2.setText(h+":"+m);

    }

};

View.OnClickListener cl1=new View.OnClickListener() {

    @Override

    public void onClick(View view) {

        Calendar c = Calendar.getInstance();

        int mYear = c.get(Calendar.YEAR);

        int mMonth = c.get(Calendar.MONTH);

        int mDay = c.get(Calendar.DAY_OF_MONTH);

        DatePickerDialog dpd = new DatePickerDialog(MainActivity.this, d1, mYear,
mMonth, mDay);

        dpd.show();

    }

};

b1.setOnClickListener(cl1);

View.OnClickListener cl2=new View.OnClickListener() {

    @Override

    public void onClick(View view) {

        Calendar c = Calendar.getInstance();

        int mHour= c.get(Calendar.HOUR);

        int mMinute= c.get(Calendar.MINUTE);

        TimePickerDialog tpd = new
TimePickerDialog(MainActivity.this,t1,mHour,mMinute,false);

        tpd.show();

    }

}

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        };

b2.setOnClickListener(cl2);
    }
}

```

XML CODE

```

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TableLayout

        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:layout_editor_absoluteX="0dp"
        tools:layout_editor_absoluteY="250dp">

        <TableRow

            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="200dp">

            <EditText

                android:id="@+id/textView"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="100dp"
                android:hint="Enter a date" />

            <Button

```

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        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Select Date" />
    </TableRow>
    <TableRow
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <EditText
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100dp"
            android:hint="Enter a time" />
        <Button
            android:id="@+id/button2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Select Time" />
    </TableRow>
</TableLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT

